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**The Philanthinae Wasps of the "Biologiezentrum Linz"-  
Collection in Linz, Austria including the genera *Aphilanthops*  
PATTON, *Clypeadon* PATTON, *Odontosphex* ARNOLD, *Philanthinus*  
de BEAUMONT, *Philanthus* FABRICIUS, *Pseudoscolia*  
RADOSZKOWSKI and *Trachypus* KLUG  
(Hymenoptera, Apoidea, Crabronidae)**

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**A b s t r a c t :** A total of 4.982 specimens of the genera *Aphilanthops* (3 ♀ ♀, 3 ♂ ♂), *Clypeadon* (1 ♂), *Odontosphex* (5 ♀ ♀, 26 ♂ ♂), *Philanthinus* (2 ♀ ♀, 22 ♂ ♂), *Philanthus* (1.030 ♀ ♀, 2.502 ♂ ♂), *Pseudoscolia* (790 ♀ ♀, 678 ♂ ♂) and *Trachypus* (42 ♀ ♀, 78 ♂ ♂) were examined. All information on localities, dates of capture and the name of the collectors are listed. The hitherto unknown males of *Philanthus flagellarius*, *Philanthus kaszabi* and *Philanthus variolosus* are described.

**K e y w o r d s :** Apoidea, Crabronidae, Philanthinae, *Aphilanthops*, *Clypeadon*, *Odontosphex*, *Philanthinus*, *Philanthus*, *Pseudoscolia*, *Trachypus*.

### Introduction

To complete my previous publications (DOLLFUSS 2001, 2004a, 2004b, 2006, 2008a, 2008b, 2010b, 2013b, 2015b, 2016, 2017) I have identified Philanthinae of the collection of the "Biologiezentrum Linz" in Austria.

The following papers were used for determination: Genus *Aphilanthops*: R. BOHART (1966), R. BOHART & GRISEL (1975). Genus *Clypeadon*: COCKERELL (1895:993), DUNNING (1898), R. BOHART (1966), R. BOHART & GRISEL (1975). Genus *Odontosphex*: MENKE (1967). Genus *Philanthinus*: de BEAUMONT (1949), KAZENAS (1978). Genus *Philanthus*: KOHL (1891), VIERECK & COCKERELL (1904), ARNOLD (1925), MOCHI (1939), de BEAUMONT (1949, 1951, 1961), R. BOHART (1972), R. BOHART & GRISEL (1975), KAZENAS (1978), FERGUSON (1983, 1984), GAYUBO (1991), GUICHARD (1994), GADALLAH (1996). Genus *Pseudoscolia*: KOHL (1891:346, 1898:96), MOCHI (1939), de BEAUMONT (1949), TSUNEKI (1971:419), KAZENAS (2004), SCHMID-EGGER (2014:595), PRENTICE & PULAWSKI (2004). Genus *Trachypus*: RUBIO-ESPINA (1975).

Many specimens were compared with specimens of the "Kohl's collection" in the Museum of Natural History in Vienna (NHMW).

## Material examined

### Subfamily *Philanthinae* LATREILLE, 1802

#### Tribe *Anthropini* R. BOHART, 1958

#### Genus *Anthrops* PATTON, 1881 (3 ♀ ♀, 3 ♂ ♂)

##### *Aphilanthops frigidus* (F. SMITH, 1856) (3 ♀ ♀, 3 ♂ ♂)

C a n a d a : 1 ♀, Ontario, Ottawa, 2.VII.2008, leg. Jendek; 1 ♂, SW Quebec, Bristol Mines, 45°29'N 76°22'W, 21.VII.2009, leg. Jendek.

U . S . A . : 1 ♀, Nebraska, Dunning, 1.VIII.1953, leg. et det. Dreisbach; 1 ♀, Michigan, Tuscola Co., 7.VIII.1946, leg. et det. Dreisbach; 1 ♂, Michigan, Mecosta Co., 26.VII.1952, leg. et det. Dreisbach; 1 ♂, Michigan, Iosco Co., 19.VII.1952, leg. et det. Dreisbach.

#### Genus *Clypeadon* PATTON, 1897 (1 ♂)

##### *Clypeadon taurulus* (COCKERELL, 1895) (1 ♂)

U . S . A . : 1 ♂, Ariz., Florida Wash, Santa Cruz Co., 12.VII.2000, leg. ?

### Tribe *Philanthini* LATREILLE, 1802

#### Genus *Philanthinus* de BEAUMONT, 1949 (2 ♀ ♀, 22 ♂ ♂)

##### *Philanthinus integer* (de BEAUMONT, 1949) (2 ♀ ♀, 7 ♂ ♂)

A l g e r i a : 1 ♀, 1 ♂, Hoggar Guelta bei Ilamana, 1900m, 29.III.1989, leg. Max Schwarz; 1 ♂, Hoggar Tamanrasset, Guelta 16 km NE, 1.IV.1989, leg. Max Schwarz; 1 ♀, Hamman Salihine, 24.-25.V.1971, leg. Hoffer & Horák.

M o r o c c o : 3 ♂ ♂, 20 km N Fom-Zguid, 29.-30.IV.1995, leg. Ma. Halada; 1 ♂, 20 km E Agzd, 20.IV.1995, leg. Ma. Halada; 1 ♂, 10 km S Bouarfa, 20.V.1995, leg. Mi. Halada.

##### *Philanthinus quatuordecimnotatus* (F. MORAWITZ, 1888) (15 ♂ ♂)

I r a n : 5 ♂ ♂, Kerman province, 20 km E Ghobira, 1780m, 30°10'N 56°59'E, 5.VI.2010, leg. Mi. Halada; 1 ♂, Kerman province, Jupar, 1900m, 30°05'N 57°12'E, 1.VI.2010, leg. Mi. Halada.

K a z a k h s t a n : 1 ♂, River Ili, Aidarli, 14.VI.1992, leg. J. Halada.

M o n g o l i a : 1 ♂, Övörkhangay, 159 km SW Arvaykheer, 45°11'N 101°26'E, 1250m, 5.VII.2004, leg. J. Halada; 1 ♂, Bayankhongor, 75 km S Bayankhongor, 45°20'N 100°48.5'E, 1330m, 8.VII.2004, leg. J. Halada.

T u r k e y : 1 ♂, Burdur, 5 km NE Yesilova, 37°35'N 29°55'E, 1060m, 6.VII.2006, leg. J. Halada; 3 ♂ ♂, Burdur, 20 km SW Burdur, 37°37'N 30°09'E, 940m, 7.VII.2006, leg. Kadlecová & M. Halada; 2 ♂ ♂, Agri, Ararat-Südhang, 1800m, 2.-3.VII.1985, leg. Max Schwarz.

#### Genus *Philanthus* FABRICIUS, 1790 (1.030 ♀ ♀, 2.502 ♂ ♂)

##### *Philanthus ammochrysus* W. SCHULZ, 1905 (15 ♀ ♀, 18 ♂ ♂)

J o r d a n : 2 ♂ ♂, Vadi Rum env., 4.-5.V.1996, leg. Mi. Halada.

M o r o c c o : 10 ♀ ♀, 10 ♂ ♂, Beni-Bassa, 60 km NE Boudnib, 21.V.1995, leg. Ma. Halada; 1 ♀, Talmest, 10.V.1995, leg. Mi. Halada, det. K. Schmidt 1995; 1 ♀, 2 ♂ ♂, Tagounite, 60 km S

Zagora, 23.IV.1995, leg. Ma. Halada; 1 ♀, Tissint, 70 km E Tata, 28.IV.1995, leg. Ma. Halada; 1 ♀, 1 ♂, 10 km N Mhamid, 21.-22.IV.1995, leg. Mi. Halada; 1 ♂, 10 km S Bouarfah, 20.V.1995, leg. Mi. Halada, det. K. Schmidt 1996.

T u n i s i a : 1 ♀, Douz W Nouil, 19.-20.V.2008, leg. Houška; 2 ♂ ♂, Blidet, 26.-28.V.1993, leg. Batelka.

***Philanthus asmarensis* GIORDANI SOIKA, 1939 (2 ♀ ♀)**

S o u t h A f r i c a : 1 ♀, North Cape, SW Springbok, 4.XI.1999, leg. M. Halada; 1 ♀, West Cape, Nuwerus, 31.X.1999, leg. M. Halada.

***Philanthus banabacoa* ALAYO DALMAN, 1968 (1 ♀)**

C u b a : 1 ♀, Guantanamo, leg. Rolle.

***Philanthus barbatus* F. SMITH, 1856 (1 ♀, 2 ♂ ♂)**

U . S . A . : 1 ♀, Colorado, La Poudre River, Indian Meadows, 13.VIII.1958, leg. Dreisbach; 1 ♂, New Mexico, Capulin Mt., 6.VIII.1952, leg. Dreisbach; 1 ♂, Arizona, Hagsteff, 7000ft, 23.VII.1934, leg.?

***Philanthus basalis* F. SMITH, 1856 (1 ♂)**

L a o s : 1 ♂, Khammouan province, Ban Khoun Ngeum, 18°07'N 104°29'E, 250m, XI.2000, leg. Jendek.

N o t e : Tergum I of this male is reddish-brown and densely punctate, terga II-V are dull and micropunctate.

***Philanthus bilunatus* CRESSON, 1865 (5 ♀ ♀, 9 ♂ ♂)**

C a n a d a : 3 ♀ ♀, 1 ♂, Gatineau Park, N Eardley, 60-80m, 45°34'N 76°05'W, 6.-13.VII.2012, MT. Same locality: 1 ♀, 2 ♂ ♂, 13.-20.VII.2012; 2 ♂ ♂, 20.VI.-6.VII.2012; 1 ♂, 20.-27.VII.2012.

U . S . A . : 1 ♀, Michigan, Branon Co. 5.IX.1954, leg. et det. Dreisbach; 1 ♂, Michigan, Roscommon Co., 10.VII.1944, leg. et det. Dreisbach; 2 ♂ ♂, Michigan, Iosco Co., 19.VII.1952, leg. et det. Dreisbach.

***Philanthus bucephalus* F. SMITH, 1856 (2 ♀ ♀, 5 ♂ ♂)**

R e p u b l i c C e n t r a l A f r i c a : 1 ♀, 1 ♂, Kembe, 4.29°N 21.53°E, 27.VII.1985, leg. Dollfuss.

S o u t h A f r i c a : 3 ♂ ♂, Maputoland, SW Emanguisi, 29.I.2003, leg. Snížek; 1 ♂, North West province, Wryburg env., 14.I.2001, leg. Snížek.

Z i m b a b w e : 1 ♀, 30 km W Harare, 22.II.1998, leg. J. Halada.

***Philanthus capensis* DAHLBOM, 1845 (1 ♀, 3 ♂ ♂)**

S o u t h A f r i c a : 1 ♀, West Cape S, S Lamberts Bay, 28.X.1999, leg. Snížek; 1 ♂, West Cape, S Lamberts Bay, 7.X.1999, leg. Ma. Halada; 1 ♂, Western Cape, 60 km N Cape Town, 9.XI.1999, leg. M. Halada; 1 ♂, West Cape, Lamberts Bay coast, 29.X.1999, leg. M. Halada.

***Philanthus coarctatus* SPINOLA, 1839 (127 ♀ ♀, 337 ♂ ♂)**

A l g e r i a : 2 ♀ ♀, 1 ♂, Hoggar Guelta bei Ilamane, 1900m, 29.III.1989, leg. Max Schwarz; 1 ♀, Hoggar Tamanrasset 60 km E, 1500m, 31.III.1989, leg. Max Schwarz; 1 ♀, Amsel 60 km S Tamanrasset, 14.I.1989, leg. Max Schwarz; 3 ♀ ♀, 2 ♂ ♂, Alger-Zeralda, 10.VI.1972, leg. Hoffer;

- 1 ♀, Sidi Feredj, 12.VII.1980, leg. Strejček; 3 ♂ ♂, Hoggar, Tamanrasset, Guelta 16 km NE, 1.IV.1989, leg. Max Schwarz; 1 ♂, Hoggar, Tamanrasset, Guelta 16 km NE 25.II.1989, leg. Max Schwarz; 1 ♂, Hoggar, Tamanrasset 60 km E, 31.III.1989, leg. Max Schwarz.
- E g y p t : 1 ♀, Gebel Elba, 2.II.1938, leg. H. Priesner; 1 ♀, Assouan, 13.II.1958, leg. et det. Pulawski; 1 ♀, Meadi, Rég. du Caire, 23.IV.1958, leg. et det. Pulawski; 1 ♀, Kafr El-Sheikh, 2.5 km N Idku, 13 km SW Rashic, 31°19'31"N 30°18'33"E, 15m, 2.VII.2009, leg. E. & J. Hüttinger; 1 ♀, Kom Oshin, Rég. de Faioum, 2.IV.1958, leg. et det. Pulawski; 1 ♀, 1 ♂, Meadi, Rég. du Caire, 29.III.1958, leg. et det. Pulawski; 3 ♂ ♂, Mersa Matru, Burg El Arab, nördliches Seeufer, 31°0'4"N 29°37'55"E, 18m, 30.VI.2009, leg. E. & J. Hüttinger; 5 ♂ ♂, Assouan, 5.II.1958, leg. et det. Pulawski; 2 ♂ ♂, Gebel Elba, 7.III.?, leg. Priesner; 1 ♂, Wadi Digla, 7.VII.1931, leg. Priesner; 3 ♂ ♂, Giza, 21.V.1969, leg. Zougar; 1 ♀, Fayoum, leg. H. Priesner, det. Pulawski; 1 ♂, Digla, 16.V.1945, leg. H. Priesner, det. Pulawski.
- E t h i o p i a : 1 ♀, 1 ♂, Wachile env., 04°32'N 39°03'E, 1070m, 22.V.2015, leg. J. Halada; 4 ♂ ♂, Wachile env., 04°32'N 39°03'E, 1070m, 30.-31.V.2015, leg. J. Halada.
- I r a n : 6 ♀ ♀, 15 ♂ ♂, Kerman province, 20 km E Ghobira, 1780m, 30°16'N 56°59'E, 5.VI.2010, leg. Mi. Halada; 2 ♀ ♀, Kerman province, 8 km N Bardsir, 2050m, 29°59'N 56°58'E, 6.VI.2016, leg. Mi. Halada.
- I s r a e l : 1 ♀, En Qelet Nahal Perat NR, 2.2 km NW Mizpe Yericho, 31°50'07"N 35°22'41"E, 1.V.2013, leg. Dorchin; 3 ♀ ♀, 3 ♂ ♂, Abu Kabir, 16.+17.VI.1961, leg. Bytinski-Salz; 1 ♂, Wadi Raman, 3.VI.1966, leg. Bytinski-Salz; 1 ♂, Tel Yizaqh S NR., 32°14'34"N 34°51'53"E, 20m, 13.IV.2010, leg. Dorchin.
- I t a l y : 2 ♀ ♀, 13 ♂ ♂, Sicilia, 35 km SW Ragusa beach, 18.-22.VI.2002, leg. J. Halada; 2 ♀ ♀, Sicilia, Taormina, VIII-IX.1970, leg. Rebmann; 3 ♀ ♀, 13 ♂ ♂, Sicilia, Taormina Naxos Strand, 14.V.1961, leg. Max Schwarz; 2 ♀ ♀, 5 ♂ ♂, Sicilia, Taormina, Naxos, 5.+17.V.1961, leg. Max Schwarz; 3 ♀ ♀, 4 ♂ ♂, Sicilia, Taormina, Naxos, 7.+8.X.1970, leg. Max Schwarz; 2 ♂ ♂, Sicilia, Naxos, Strand, 5.V.1961, leg. J. Gusenleitner; 2 ♂ ♂, Sicilia, 35 km N Gela, NE Piazza, Armenna, 27.-29.V.2002, leg. J. Halada; 2 ♂ ♂, Sicilia, Marina di Modica, 6.+7.VII.1982, leg. Max Schwarz; 1 ♂, Sicilia, 4 km W S. Stefano di Camastra, 0-50m, 18.VI.1978, leg. E. & J. Hüttinger; 1 ♂, Sicilia, 40 km N Gela, 450m, 20.VI.2012, leg. J. Halada; 3 ♂ ♂, Calabria, 15 km S Lokri, 1.-2.VIII.1999, leg. J. Halada; 1 ♂, Sibari, province Cosenza, 27.VIII.1987, leg. J. Gusenleitner; 1 ♂, Salerno, Paestum, 1.VII.1972, leg. Padr; 2 ♀ ♀, 1 ♂, Sicilia, Palermo Campofelice d.R., 37°58.40'N 13°50.57'E, 13.-16.V.2014, leg. Tiefenthaler.
- J o r d a n : 2 ♀ ♀, 2 ♂ ♂, 30 km NW Ajlun, 600m, 32°27'N 35°42'E, 29.IV.-2006, leg. Deneš; 1 ♀, 2 ♂ ♂, Jordan Valley, Dayr Alla, 27.IV.1996, leg. Ma. Halada; 2 ♀ ♀, 7 ♂ ♂, Wadi Rum, 4.-5.V.1996, leg. Ma. & Mi. Halada; 1 ♀, 5 ♂ ♂, 50 km Karak Safi, 15.IV.1996, leg. Mi. Halada; 1 ♂, Jordan Valley, Mubalath, 27.IV.1996, leg. Ma. Halada; 6 ♂ ♂, Jordan Valley env., S Shuna, 17.IV.1996, leg. Mi. Halada; 2 ♂ ♂, Zarga Main, 7.V.1995, leg. Deneš; 1 ♂, 30 km N Tafila, 2.V.1996, leg. Ma. Halada; 1 ♂, Pella, 4.V.1995, leg. Deneš; 1 ♂, Wadi Araba Aqaba 100 km N, 14.IV.1996, leg. Ma. Halada; 1 ♂, Azrag env., 24.IV.1996, leg. Mi. Halada; 1 ♂, Aljun, 5.V.1995, leg. Deneš.
- M a l i : 1 ♂, 10 km S Mopti, 20.VIII.1991, leg. Max Schwarz.
- M o r o c c o : 4 ♀ ♀, 6 ♂ ♂, Midelt 20 km NW, 1400m, 5.VII.1987, leg. Max Schwarz; 5 ♀ ♀, 9 ♂ ♂, Oued Massa Tiznit, 8.V.2003, leg. M. Halada; 1 ♀, 2 ♂ ♂, Dadesschlucht, 1900m, 3.VII.1987, leg. Max Schwarz; 2 ♀ ♀, SE Guelmin, 9.V.2003, leg. M. Halada; 1 ♀, 5 ♂ ♂, Tiznit Oued Massa, 8.V.2003, leg. Snižek; 6 ♀ ♀, 6 ♂ ♂, Tamri, 70 km N Agadir, 8.V.1995, leg. Mi. Halada; 3 ♀ ♀, 5 ♂ ♂, 5 km S Zagora, 24.-25.IV.1995, leg. Ma. Halada; 3 ♀ ♀, 4 ♂ ♂, Mhamid env., 16.V.1997, leg. Deneš; 4 ♀ ♀, 10 ♂ ♂, Beni-Bassia, 60 km NE Boudnik, 21.V.1995, leg. Mi. Halada; 5 ♀ ♀, 2 ♂ ♂, 30 km N Zagora, 15.V.1097, leg. J. Halada; 1 ♀, Taroudant, 22.IV.1990, leg. M. Halada; 1 ♀, 1 ♂, 15 km N Marti Cobo Nagro, 20.V.1997, leg. J. Halada; 1 ♀, 20 km W Foun-Zguid, 1.V.1995, leg. Ma. Halada; 1 ♀, Haute Atlas, 26.V.1964, leg. Leutenmarer; 7 ♂ ♂, Aoulou env., 17.V.1997, leg. Deneš; 3 ♂ ♂, Martil env., 20.V.1997, leg. Deneš; 4 ♂ ♂, Tagounite env., Souss-Massa-Draa, 2.V.2013, leg. Némec; 1 ♂, Kenitra, 15.V.1965, leg. Leutner; 4 ♂ ♂, 20 km E Agzd, 20.IV.1995, leg. Ma. Halada; 4 ♂ ♂, 10 km N Mhamid, 21.-22.IV.1995, leg. Ma. Halada; 2 ♂ ♂, 10 km S Bouarfà, 20.V.1995, leg. Ma. Halada; 3 ♂ ♂, Taroudant Aoulouz, 17.V.1997, leg. J. Halada; 2 ♂ ♂, Icht, 100 km E Bouzakame, 4.V.1995, leg. Mi. Halada; 1 ♂, 40 km S Guercif, 15.-

- 17.V.1995, leg. Mi. Halada; 4♂♂, Taroudant, 22.IV.1990, leg. M. Halada; 1♂, 20 km N Foun-Zguid, 29.-30.IV.1995, leg. Ma. Halada; 1♂, Meknes, 19.V.1997, leg. J. Halada; 1♂, Marrakech, Oued Tensift, 15.VI.1947, leg. Naef; 1♂, Marrakech, Jardin public, 11.VII.1947, leg. Naef; 3♂♂, Marrakech, Od Tenrift, 14.V.1947, leg. Kat; 3♂♂, Kenitra, 15.IV.1965, leg. ?; 1♂, Marrakech, 26.V.1964, leg. Telirifrubier; 1♂, Fes, 2.VI.1964, leg. ?.
- O m a n : 1♀, 17 km W Súr, 15.III.2015, leg. Snižek; 11♂♂, Az Zahira province, Mahdan env., 24°22'N 56°00'E, 6.IV.2013, leg. J. Halada; 9♂♂, Al Batinah province, Al Lajal, 170m, 23°30'N 57°56'E, 3.IV.2013, leg. J. Halada; 1♂, Ash Shaqiyra, Jaalan Bani Bu Ali, 21°17'N 59°24'E, 65m, 15.IV.2013, leg. J. Halada.
- S a u d i A r a b i a : 1♂, El Riyadh, 4.XI.1959, leg. Diehl; 1♂, El Riyadh, 15.XI.1958, leg. Diehl.
- S u d a n : 1♀, Khartoum, X.1968, leg. Fellerteg.
- S y r i a : 1♂, 60 km S Damascus Khabab, 14.V.1996, leg. Ma. Halada.
- T u n i s i a : 3♀♀, 5♂♂, Sousse, 1.-9.VIII.1981, leg. Wolf; 1♀, 5♂♂, Nefta, 8.-9.IV.1998, leg. Deneš; 1♀, 1♂, Nefta env., palmerie, 31.V.1994, leg. Bečvar; 1♀, routa Tatouine-Remada, 10.IV.2001, leg. Snižek; 2♂♂, Blidet, 26.-28.V.1993, leg. Batelka; 1♂, Tataoune, 11.IV.2001, leg. M. Halada.
- T u r k e y : 1♀, 2♂♂, Antakya, 5.+7.VI.1965, leg. Max Schwarz; 21♀♀, 42♂♂, 20 km W Van, 5.VII.1997, leg. Ma. Halada; 2♀♀, 8♂♂, Halfeti (Birecik), 30.+31.V.1998, leg. Ma. Halada & Snižek; 1♀, 1♂, 30 km E Malatya, Kale, 27.VI.2000, leg. M. Halada; 3♂♂, Nemrut Dağı Karadut, 2.VII.1993, leg. Deneš; 1♂, Nemrut Dağı, 16.VII.2000, leg. M. Halada; 2♂♂, 25 km E Malatya, Kopeksiz, 8.VII.1997, leg. Ma. Halada; 1♂, Sandikatzi env., 3.-13.V.1999, leg. Deneš; 1♂, SE Eruh/Siirt, 13.VIII.1991, leg. Halada.
- U n i t e d A r a b E m i r a t e s : 2♀♀, Alain, IV.-V.1998, leg. Gillet.
- U z b e k i s t a n : 1♂, Buchar, 15.VII.1991, leg. Pedečka.
- Y e m e n : 1♀, Wadi Maydam, 12 km SE Ibb, 1600m, 13°53'N 44°18'E, 27.X.2005, leg. J. Halada; 1♀, 1♂, Wadi Aniz, SSW Sana, 1520m, 14°60'N 44°09'E, 7.X.2005, leg. J. Halada; 3♀♀, 4♂♂, Sana University Campus, 2300m, 3.XI.2005, leg. J. Halada; 1♂, Wadi Dahli NWb Sana, 2200m, 15°26'N 44°08'E, 5.X.2005, leg. J. Halada.

### ***Philanthus coronatus* (THUNBERG, 1784) (30♀♀, 116♂♂)**

- B u l g a r i a : 1♀, Stara Kresna, 27.V.1983, leg. J. Halada; 1♀, Sandanski, VI.1969, leg. Kocourek; 1♀, 2♂♂, Sandanski-Městro, 18.+25.VII.1966, leg. Kocourek; 1♂, Sandanski, 7.VII.1990, leg. Tkalců; 1♂, Kresna, 9.VII.1990, leg. Tkalců; 1♂, Kresna Birin, leg. Kocourek; 2♂♂, Aitos, 23.VI.1963, leg. Niedl.
- C h i n a : 1♀, 1♂, Shanxi Chao Shan., 25 km SE Pingyao, 37.1°N 112.4°E, 4.-5.VII.2001, leg. Turna.
- F r a n c e : 1♂, 667 Argeles, Dün., 1.-4.VII.1980, leg. Wolf.
- G e r m a n y : 1♀, 1♂, Lohr am Main, 22.VII.+7.VIII.1953, leg. Heinrich; 1♀, Lohr am Main, 18.VIII.1955, leg. Heinrich; 1♀, Baden, Kaiserstuhl, Achkarren, 14.-28.VIII.1954, leg. Schütze; 1♀, TK7911 Oberrotweil, Mondhalde Gebiet, 7.VIII.1998, leg. Westrich.
- H u n g a r y : 1♀, Tihany, 28.VII.1975, leg. Wolf.
- I t a l y : 1♂, Bibione, 10.VI.1996, leg. Deneš.
- K a z a k h s t a n : 1♀, Džambul, 9.VI.1984, leg. Biža; 1♀, 31♂♂, 10 km E Džambul, 31.V.1994, leg. Ma. Halada; 1♀, 3♂♂, Georgievka, 43.2°N 76.6°E, 16.VI.1995, leg. Múčka; 6♂♂, Matai-desert, 46°N 78.6°E, 23.-25.VI.1995, leg. J. Halada & Múčka; 1♂, Džambul, VI.1964, leg. Gottvald; 1♂, Aksaj/Alma Ata env., 11.VII.1976, leg. Niedl; 2♂♂, Džambul env. (30 km), Golovčenko (ř. Assa), 31.V.1980, leg. Pádr; 1♂, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, leg. Múčka; 1♂, 20 km SE Aksay env., 16.-19.VI.1992, leg. Deneš; 1♂, Alma Ata, 25.VI.1992, leg. Deneš; 2♂♂, Džambul, VI.1964, leg. Gottvald.
- K y r g h y z s t a n : 4♀♀, 1♂, Kirghizsky Mts., Ala Archa river, Kashka-Suu, 1650m, VII.2000, leg. Gurko; 1♀, Terskey Alatan Arashan, 28.VIII.1999, leg. Gurko; 1♀, Fergansky Mt. R., E

Urumbash river, VI.2000, leg. Gurko; 2♂♂, Kirghizky Mt. R., Ala Archa river, Oouru-Say, 1650m, VII.2000, leg. Gurko; 2♂♂, Kirghizky Mt. R., Ala Archa river valley, 1650m, 17.VIII.2000, leg. Gurko; 1♂, 10 km S Sari-Tzelek, 42°N 72°E, 5.VI.1995, leg. J. Halada; 1♂♂, Ferghana Mt. R., Akterek-Gava, 1750m, 41°17'N 72°49'E, 30.VII.1993, leg. Zonstein; 1♂, Tchul Valley, Manast, 25 km N Bishkek, 43°00'N 74°26'E, 650m, 15.VI.1999, leg. Makogonova; 1♂, Con Aryk (Frunze), ~1050m, 5.VII.1983, leg. Tkalců.

M o n g o l i a : 2♀♀, ~ 100 km W Choibalsan, 820m, 23.VII.2007, leg. M. Halada.

P o r t u g a l : 1♀, 1♂, Zézere-Rio, 28.VII.1967, leg. Hamann.

R o m a n i a : 1♂, unreadably, 8.VII.1997, leg. ?

R u s s i a : Astrachan, VI.1964, leg. Gottval.

S l o v a k i a : 1♀, Chotín, 31.VII.1963, leg. Pádr; 1♀, 6♂♂, Somotor, VI.1952, leg. Kocourek; 1♀, 1♂, Sturovo, 10.-25.VII.1958, leg. Pádr; 1♀, 5♂♂, Somotor, 12.VII.1951, leg. Hoffer; 1♀, Chotín, 17.VIII.1965, leg. Kocourek; 1♀, 5♂♂, Somotor, 1947-1952, leg. Kocourek; 1♀, Chotín, VII.1954, leg. Kocourek; 3♂♂, Gbelce, 7.VII.1963, leg. Pádr; 5♂♂, Čenkov, 17.VII.1953, leg. Kocourek; 1♂, Čenkov, 25.VI.1957, leg. Pádr; 4♂♂, Stúrovo, VII.1962, leg. Kocourek; 2♂♂, Gbelce, VI.1960, leg. Kocourek; 7♂♂, Stúrovo, 26.VII.1967+VII.1962, leg. Kocourek; 1♂, Chotín, VII.1963, leg. Kocourek; 1♂, Somotor, VII.1967, leg. Kocourek.

S p a i n : 1♀, Prov. Cindad Real, Campo de Criptana 8 km NE, 650m, 17.-18.VI.1991, leg. Tiefenthaler.

S y r i a : 2♂♂, 30 km S Suwayda Dibbin, 15.-17.V.1996, leg. Ma. Halada; 1♂, 50 km SE Suwayda Anata, 20.-21.V.1996, leg. Ma. Halada.

### ***Philanthus crabroniformis* F. SMITH, 1856 (2♀♀, 4♂♂)**

U . S . A . : 1♀, Republic Wash., 6.VIII.1931, leg. Nottingham; 1♀, 2♂♂, California, San Bernadino Mts., Big Bear Lake, 1400-1900m, 16.VII.1977, leg. Deschka; 1♂, Wyoming, Centennial, 23.VIII.1951, leg. Dreisbach; 1♂, Oregon, Mont Hord, 3.VII.?, leg. Bamer.

### ***Philanthus depredator* F. SMITH, 1856 (1♂)**

I n d i a : 1♂, Tamilnadu, 60 km SW Madurai, 200m, 09°21.6'N 77°26.6'E, 6.V.2005, leg. M. Halada.

### ***Philanthus desertorum* (F. MORAWITZ, 1890) (2♀♀)**

T u r k e y – W : 1♀, Refahyle /Erzurum, 2200m, 23.VII.1991, leg. Halada.

N o t e : The terga I-V of this female are smooth and nearly impunctate.

M o n g o l i a : 1♀, 90 km NE Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2005, leg. J. Halada.

### ***Philanthus dichrous* KOHL, 1894 (3♀♀)**

C e n t r a l A f r i c a n R e p u b l i c : 1♀, 40 km S Nola, 600m, 03°23'N 16°10'E, 13.XII.2008, leg. J. Halada.

G u i n e a : 2♀♀, Mounts Nimba, 07°41.66'N 08°24.11'W, Lola, 8.VII.2004, leg. Ma. Halada.

### ***Philanthus dufourii* LUCAS, 1849 (4♂♂)**

A l g e r i a : 1♂, Biskra, 12.VI.1953, leg. Roth.

K y r g h y z s t a n : 1♂, Kirghizky Mts., Ala-Archa river, Kashka-Suu, 1650m, VII.2000, leg. Gurko.

T u r k e y : 1♂, Agri, Gürbulak 10 km NW, 1600m, 2.VII.1985, leg. Max Schwarz.

***Philanthus flagellarius* R. TURNER, 1918 (2♀, 1♂)**

R e p u b l i c C e n t r a l A f r i c a : 2♀, Kembe, 4.29°N 21.53°E, 15.+17.VIII.1985, leg. Dollfuss.

Z i m b a b w e : 1♂, 60 km NNW Bulawayo, ~1200m, 18.-19.XII.2011, leg. J. Halada.

N o t e : The hitherto unknown male of *Philanthus flagellarius* is characterized by a propodeal enclosure not clearly defined, it differs from the female only in having two yellow spots on the upper face and the flagellomere I is twice as long than its apical width.

The male of *P. flagellarius* differs from *P. loeflingi* in having yellow mandibles, yellow spots on the upper face, a small yellow spot on the tegulae and the coarsely rugose propodeal enclosure (The male of *P. loeflingi* has black mandibles, the interantennal spot is sharply tridentate, scutellum and metanotum are yellow and the propodeal enclosure is dull microscopically rugose or coriaceous).

The male of *P. stygius* differs from *P. flagellarius* in having the posterior ocelli separated from the eyes by a distance not greater than the diameter of one of the ocelli, black mandibles, and in most specimens the pronotal collar, the scutellum and the metanotum are yellow. Additionally, the propodeal enclosure is closely punctate or almost reticulate (*P. flagellarius* has the distance between the posterior ocelli and the eyes distinctly greater than the diameter of one of the ocelli, the mandibles are yellow and pronotal collar, scutellum and metanotum are black. Additionally, the propodeal enclosure is coarsely rugose).

The male of *P. flagellarius* differs from *P. nigrohirtus* in having white setae on face and vertex yellow mandibles and a propodeal enclosure coarsely rugose (*P. nigrohirtus* has black setae on face and vertex, black mandibles and the propodeal enclosure punctate).

***Philanthus fuscipennis* GUÉRIN-MENEVILLE, 1844 (17♀, 67♂)**

C e n t r a l A f r i c a n R e p u b l i c : 1♀, 70 km NNE Bangui, 445m, 04°57'N 18°46'E, 24.-28.XI.2010, leg. J. Halada.

E t h i o p i a : 1♀, 3♂♂, Ilubabor province, 60 km E Tepi, 1150m, 7.IV.2007, leg. J. Halada; 1♀, Sidamo province, 20 km SE Konsa, 855m, 18.IV.2007, leg. J. Halada; 1♂, Sidamo province, near Bitata, 1480m, 27.IV.2007, leg. J. Halada.

G u i n e a : 1♀, 2♂♂, Monts Nimba, 07°41.66'N 08°24.11'W, Lola, 8.VII.2004, leg. Ma. Halada.

K e n y a : 1♂, Voi (Tsavo), 23.III.-4.IV.1997, leg. Ma. Halada; 1♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada; 1♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada.

M a l a w i : 3♀, 14♂♂, 25 km SE Lilongwe Dedzda, 5.-12.I.2002, leg. H. Halada; 1♀, Nkhata Bay, lake Malawi, 1.I.2001, leg. J. Halada; 1♀, 70 km N Lilongwe Nponela env., 28.XII.2001, leg. J. Halada; 1♀, 2♂♂, 85 km SE Lilongwe Dedzda, 17.-19.XII.2001, leg. J. Halada.

M a l i : 1♂, 5 km S San, 22.VIII.1991, leg. Max Schwarz.

M o z a m b i q u e : 1♂, 100 km NE Tete, 15°26'S 34°20'E, 910m, 7.XII.2005, leg. J. Halada; 1♂, 25 km N Massinga, 23°07'S 35°17'E, 36m, 22.XII.2005, leg. J. Halada.

N a m i b i a : 1♂, Rundu, 22.I.1993, leg. J. Gusenleitner; 4♂♂, Otjiwarongo, 3 km NE Kalkfeld, 2.III.1990, leg. Max Schwarz; 1♂, Erongo province, 20 km NW Uis, 21°04'S 14°41'E, 530m, 24.III.2014, leg. J. Halada.

S o u t h A f r i c a : 1♀, 3♂♂, Mpumalanga, Waterval Boven, 10.-11.II.2000, leg. J. Halada; 1♀, West Cape, Klein Karoo Langberg, Grot river, 15.XII.2002, leg. Ma. Halada; 1♀, North West, O.F.S., Vaal river, 27.XI.2002, leg. Ma. Halada; 1♀, KwaZulu Natal, Utrecht, 28.XI.2002, leg. Snižek; 1♀, Northwest province, Bothaville, Vaal river, 16.I.2003, leg. Snižek; 1♀, 6♂♂, West

Cape, Moseel Bay, route Herbertsdale-Langberg, 19.I.2001, leg. Snižek; 3♂♂, North West province, Klerksdorp, Vaal river, 20 km W Bothaville, 12.I.2001, leg. Snižek; 4♂♂, KwazaZulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 1♂, NW, Limpopo Thabazimbi, 12.XII.2008, leg. Snižek; 2♂♂, Mpumalanga, 20 km NW Nespruit, 26.XI.2003, leg. J. Halada; 1♂, Cape T., Baines Reservat b. Gahamstown, 27.II.1988, leg. H. Malicky; 1♂, West Cape, George Montagy pass env., 21.I.2001, leg. Snižek; 1♂, TV, Pretoria S, 31.III.1990, leg. Max Schwarz; 1♂, O.F.S. N Ficksburg R. 70, 17.I.2003, leg. Snižek.

T a n z a n i a : 1♀, Mbeya province, 70 km NW Tunduma, 08°58'S 32°25'E, 1500m, 2.I.2007, leg. Kadlecova; 2♂♂, Handeni Makinda env., 14.III.2002, leg. Snižek.

Z a m b i a : 1♂, 50 km W Kasama, 26.XI.2004, leg. Snižek; 1♂, 60 km NW Kapiri Mposhi, 8.XII.2002, leg. J. Halada; 1♂, 80 km W Chingola, 12.XII.2002, leg. Kantner; 1♂, 82 km NWW Mpita, 27.XI.2005, leg. Snižek.

Z i m b a b w e : 4♂♂, 25 km NE Samva, Nyagui r. (Bindura), 15.XII.1998, leg. J. Halada.

### ***Philanthus genalis* KOHL, 1891 (2♀♀)**

E g y p t : 1♀, Wadi El Tih, 13.VI.1935, leg. H. Priesner; 1♀, Dahsoar, 29.III.1958, leg. H. Priesner.

### ***Philanthus gibbosus* (FABRICIUS, 1775) (5♀♀, 46♂♂)**

U . S . A . : 1♀, Kansas, Hill City, 29.III.1951, leg. Dreisbach; 2♀♀, 8♂♂, Washington, Benton Co., Prosser, WSU area, VI.1996, leg. Stary; 1♀, 34♂♂, Washington, Prosser, V.-VI.1994, leg. Stary; 1♀, New York, Cortland Co., Cortland SW, 42°55'N 76°22'W, 24.VIII.2012, leg. Danforth & Gibbs; 2♂♂, Florida, Haynes City, 50 W Tampa, 16.X.1978, leg. Soldán; 1♂, Nebraska, Omaha, 19.VIII.1951, leg. et det. Dreisbach; 1♂, Washington, Prosser, VI.1994, leg. Stary.

### ***Philanthus gloriosus* CRESSON, 1865 (1♂)**

C u b a : 1♂, no specific locality, leg. ?

### ***Philanthus hellmanni* (EVERSMANN, 1849) (50♀♀, 151♂♂)**

M o n g o l i a : 37♀♀, 112♂♂, 90 km NE Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2005, leg. J. Halada, Kadlecova & Turner; 6♀♀, 50 km N Ulaanbaatar riv., E Mandal, 1180m, 8.-13.VII.2007, leg. Kadlecova, J. & M. Halada; 3♀♀, 20♂♂, 70 km NNW Tsetserleg, 25.VII.2005, leg. Kadlecova & J. Halada; 2♀♀, 14♂♂, Chulunt Gol (riv.), 47°48'N 100°19'E, 1940m, 23.VII.2005, leg. J. Halada; 2♀♀, 4♂♂, Mongol Els n. res., dunes, 47°24'N 103°39'E, 1320m, 31.VII.2005, leg. Kadlecova; 1♂, 40 km SW Uliastay, dunes, 18.VII.2005, leg. J. Halada.

### ***Philanthus histrio* FABRICIUS, 1804 (33♀♀, 109♂♂)**

C a m e r o o n : 2♀♀, North-West Province, Kefen Forest (6km E Bambui), 1800m, 06°02.050'N 10°17.423'E, 13.-14.III.2000, leg. Řiha; 2♂♂, North-West Province, E env. Big Babanki, 1200m 06°06.698'N 10°15.938'E, 5.-13.III.2008, leg. Řiha; 1♂, North-West Province, E Big Babanki, 1200m, 06°07'N 10°16'E, 10.III.2008, leg. Horák.

K e n y a : 3♀♀, 2♂♂, (Tsavo) Tai Hills, Wundanyi, 19.-21.XI.1996, leg. Mi. Halada; 3♀♀, 2♂♂, (Tsavo) Tai Hills, Wundanyi, 5.-10.IV.1997, leg. Ma. Halada; 2♀♀, 1♂, Tai Hills (Tsavo), Wundanyi, 18.-23.III.1997, leg. Ma. Halada; 1♂, Taita Hills, Wundanyi env., 22.XI.1999, leg. Snižek.

M a l a w i : 5♀♀, 31♂♂, 85 km SE Lilongwe Dezda, 5.-12.I.2002, leg. J. Halada; 1♂, Dezda, 10.I.2002, leg. Kantner.

M o z a m b i q u e : 1♀, 9♂♂, 65 km S Vlóngné, 15°13'S 34°19'E, 1250m, 8.XII.2005, leg. Kadlecova & J. Halada.



**South Africa:** 3 ♀♀, 1 ♂, Mpumalanga, 30 km NE Lydenburg NR. Ohrig, 9.-12.I.2004, leg. J. Halada; 3 ♀♀, 6 ♂♂, Mpumalanga, Waterval Boven, 10.-11.II.2000, leg. J. Halada; 1 ♀, O.F.S. N Ficksburg R.70, 17.I.2003, leg. Snižek; Mpumalanga province, 10 km SE Middelburg, ~1400m, 29.I.2010, leg. J. Halada; 1 ♀, 3 ♂♂, Mpumalanga province, 20 km SW Lydenburg, 20.-21.XI.2003, leg. J. Halada; 1 ♀, O.F.S. Villers, 15.I.2003, leg. Snižek; 1 ♀, West Cape, Greytown, Riviersonderend r., 21.X.1999, leg. Ma. Halada; 1 ♀, 11 ♂♂, West Cape, Moseel Bay, route Herbertsdale-Langberg, 19.I.2001, leg. Snižek; 1 ♀, 5 ♂♂, West Cape, Klein Karoo, Langberg Grot river, 15.II.2002, leg. Ma. Halada; 1 ♀, 5 ♂♂, KwazaZulu Natal, N Newcastle, Ingogo, 28.XI.2002, leg. Ma. Halada; 1 ♀, Pretoria City, 12.II.2000, leg. J. Halada; 9 ♂♂, KwazaZulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 2 ♂♂, Western Cape, Greytown (NE env.), Riviersonderend Mts., 250m, 34°02.165'S 19°36.955'E, 9.-10.XII.2007, leg. Řiha; 1 ♂, West Cape, Ashton (Robertson), 26.X.1999, leg. Ma. Halada; 1 ♂, West Cape, Barrydale, 16.XII.2002, leg. Snižek; 1 ♂, KwazZulu Natal province, 10 km NE Kokstad, 30°30'S 29°31'E, 1320m, 25.XII.2009, leg. J. Halada; 1 ♂, Mpumalanga province, 20 km S Waterval Boven, 28.XI.2003, leg. J. Halada; 1 ♂, Mpumalanga province, 20 km NW Nelspruit, 26.XI.2003, leg. J. Halada.

**Tanzania:** 1 ♂, Arusha env., 1.-7.I.1995, leg. Snižek.

**Zambia:** 1 ♀, 150 km S Mwinilunga, 13°11'S 24°14'E, 1100m, 2.XI.2008, leg. M. Halada; 1 ♀, 1 ♂, 100 km W Solwezi, 12°13'S 25°39'E, 1400m, 10.XI.2005, leg. M. Halada; 1 ♂, 100 km N Kapiri Mposhi ATP Lounge, 23.XI.2004, leg. Snižek; 1 ♂, 70 Km S Mpika, 12°18'S 31°07'E, 1500m, leg. M. Halada; 1 ♂, Mkushi env. E, 16.-18.XII.2004, leg. Snižek.

**Zimbabwe:** 4 ♂♂, Chirinda Forest Land Mt. Selinda, 24.I.1998, leg. Ma. Halada; 1 ♂, 40 km S Chipinge Mt. Selinda, 13.XII.1998, leg. M. Halada; 1 ♂, Chimanimani NP, 14.XII.1998, leg. J. Halada; 1 ♂, Mount Selinda, 12.XII.1998, leg. J. Halada.

### ***Philanthus kaszabi* TSUNEKI, 1971 (6 ♀♀, 3 ♂♂)**

**Mongolia:** 2 ♀♀, 2 ♂♂, 70 km E Allay City, Guulin, 14.VII.2005, leg. Tymer; 2 ♀♀, 75 km W Ulaanbaatar, dunes, 2.VIII.2005, leg. J. Halada; 1 ♀, 1 ♂, 90 km NE Tsetserleg, 1400m, 45°03'N 102°25'E, 27.VII.2005, leg. J. Halada; 1 ♀, Bayankhongor, 75 km S Bayankhongor, 45°20'N 100°48.5'E, 1330m, 8.VII.2004, leg. J. Halada.

**Note:** The hitherto unknown male of *P. kaszabi* has the same sculptur and the color as the female except the face is yellow until midocellus, the flagellomeres III-V are yellow beneath and the terga V-VII are dark-brown. The male of *P. kaszabi* differs from *P. hellmanni* in having a yellow face until midocellus, the terga I-III yellow and the pronotal collar is high erected, small, sharp and thin (The male of *P. hellmanni* has only a yellow clypeus, the terga I-III are black with yellowish stripes and the pronotal collar is thicker and not so high). The male of *P. mongolicus* F. MORAWITZ differs from *P. kaszabi* in having the scutum coarsely and sparsely punctate (*P. kaszabi* has the scutum smooth and nearly impunctate).

### ***Philanthus kohlii* F. MORAWITZ, 1890 (8 ♀♀, 17 ♂♂)**

**Kazakhstan:** 2 ♂♂, River Ili, Aidarli, 14.VI.1992, leg. J. Halada; 4 ♀♀, 15 ♂♂, Matai desert, 46°N 78.6°E, 23.+25.VI.1995, leg. J. Halada & Múčka; 4 ♀♀, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, leg. Múčka.

**Note:** These males of Kazakhstan have the tergum III similar to tergum IV and not black or nearly black as described by F. Morawitz, the sternum VIII is apically distinctly deeply emarginate and the gonostylus has fine sparse short setae. The males of *P. venustus* have the sternum VIII apically not or slightly emarginate and the gonostylus has thick dense long (nearly as long as a diameter of hindocellus) setae, in some specimens they are stickt together. F. Morawitz 1890:607: " *P. venustus* ähnlich; bei diesem aber die Stirne matt, reichlich behaart, der Clypeus und die Seiten dicht punktiert, der letzte

Ventralring nicht gabelförmig und die Geißelglieder 2-3 verhältnismäßig länger". The males of *P. coarctatus* have the tergum III black or nearly black and the gonostyle has short fine setae.

I am not sure that these specimens from Kazakhstan are really *P. kohlii*. Further examinations to the species *P. coarctatus*, *P. venustus* and *P. kohlii* should be done.

***Philanthus kokandicus* RADOSZKOWSKI, 1877 (1 ♀, 2 ♂ ♂)**

Turkmenistan: 1 ♂, VII.1930, leg. ?.

Uzbekistan: 1 ♂, W-Zeravshan Mts., Dzhindydaria valley, 39°12'N 67°16'E, 1300m, 3.VII.1999, leg. Makogonova; 1 ♀, Tchinaz Syr-Daria riverside, 40°54'N 68°32'E, 25.V.1995, leg. Zonstein.

***Philanthus laticeps* ARNOLD, 1925 (1 ♀)**

Uganda: 1 ♀, SW Hioma Rwerda env., 30.XI.2001, leg. Snižek.

***Philanthus loeflingi* DAHLBOM, 1845 (14 ♀ ♀, 75 ♂ ♂)**

Central African Republic: 1 ♀, 50 km SW Bangui, 04°04'N 18°14'E, 380m, 29.IV.2010, leg. J. Halada; 1 ♂, 140 km SEE Bossangoa, 06°11'N 18°22'E, 26.V.2009, leg. J. Halada; 1 ♂, 20 Km NW Bambari, 21.V.2009, leg. J. Halada; 1 ♂, 95 km SW Sibut, 05°12'N 18°25'E, 24.V.2009, leg. J. Halada; 2 ♂ ♂, Bangui-Binbo, 380m, 04°20'N 18°32'E, 19.-22.XI.2010, leg. J. Halada.

Kenya: 4 ♂ ♂, (Tsavo) Tai Hills, Wundanyi, 19.-21.XI.1996, leg. Mi. Halada.

Malawi: 4 ♀ ♀, 23 ♂ ♂, 85 km SE Liongwe, Dezda, 5.-12.I.2002, leg. J. Halada.

Nigeria: 1 ♂, Gashaka Gumfi NP, 30 km SE Serti env., 7°21'N 11°32'E, 380-560m, 24.IV.-8.V.2011, leg. J. Halada.

South Africa: 3 ♂ ♂, Pretoria City, 12.II.2000, leg. J. Halada; 1 ♂, O.F.S. North West, 20 km W Bothaville, Vaal river, 27.XI.2002, leg. Ma. Halada; 2 ♂ ♂, KwazaZulu Natal, 20 km S Bergville, 5.II.2001, leg. Snižek; 1 ♂, Noth-West province, 30 km W Bothaville, Vaal river, 20 km S Leedoringstad, 23.-26.XII.2008, leg. Sládeček; 1 ♂, KwazaZulu Natal province, 10 km NE Kokstad, 30°30'S 29°31'E, 1320m, 25.VII.2009, leg. J. Halada; 1 ♂, Mpumalanga, 30 km NE Lydenbrug NR Ohrig, 9.-12.I.2004, leg. J. Halada; 1 ♂, KwazaZulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 1 ♂, North-West province, Bothaville, Vaal river, 16.I.2003, leg. Snižek; 1 ♂, West Cape, N Knysna, Prince Alfreds pass env., 23.I.2001, leg. Snižek; 1 ♂, Mpumalanga, Waterval-Boven, Elans river, 18.I.2000, leg. J. Halada; ♂, KwazaZulu Natal, Tembe Elephant Park, 8.XII.2002, leg. Ma. Halada; 1 ♂, KwazaZulu Natal province 10 km NE Kokstad, 30°30'S 29°31'E, 1320m, 25.XII.2009, leg. J. Halada; 1 ♀, TV, Pretoria E, 22.III.1990, leg. Max Schwarz; 2 ♀ ♀, KwazaZulu Natal, Utrecht, 28.XI.2002, leg. Snižek; 2 ♀ ♀, W Cape, Moseel Bay, route Herbertsdale-Langberg, 19.I.2001, leg. Snižek.

Tanzania: 1 ♂, Mbeya province, 70 km NW Tunduma, 08°58'S 32°25'E, 1500m, 2.I.2007, leg. J. Halada; 1 ♂, Shinianga province, 100 km NWW Kahama, 03°25'S 31°47'E, 1200m, 24.XII.2006, leg. J. Halada.

Uganda: 1 ♂, Mubende env., 19.-22.XI.2001, leg. Snižek; 1 ♂, Kasese, 600m, 13.-19.XI.1994, leg. Snižek.

Yemen: 1 ♂, Wadi Maytam, 12 km SE Ibb, 1600m, 13°53'N 44°18'E, 27.X.2005, leg. J. Halada.

Zambia: 1 ♀, Solvezi env., 1.-3.XII.2002, leg. J. Halada; 3 ♂ ♂, 100 km W Solwezi, 1400m, 12°13'S 25°39'E, 10.XI.2005, leg. M. Halada; 4 ♂ ♂, 60 km NW Kapiri Mposhi, 8.XII.2002, leg. J. Halada; 1 ♂, 40 km SSW Solwezi, 8.XII.2004, leg. Snižek & Tichy; 1 ♂, 60 km W Solwezi, 4.-6.I.2003, leg. J. Halada; 1 ♂, 90 km Solwezi, E Chisasa, 9.IX.2005, leg. Snižek. 1 ♀, 7 ♂ ♂, 40 km S Chipinge Mt. Selinda, 13.XII.1998, leg. J. & M. Halada.

Z i m b a b w e : 1♂, 50 km S Bulawayo Matobo Nat. Park, 3.-5.XII.1998, leg. Bečvář; 1♂, Chimanimani N. P., 14.XII.1998, leg. M. Halada; 1♂, Mutare Bvumba, 21.-24.XII.1998, leg. Snižek; 1♂, Mavhuradonha Saf. A., 15 km SE Muzarabani, 17.XII.1998, leg. M. Halada; 1♀, 1♂, Mount Selinda, 12.XII.1998, leg. J. Halada; 1♀, 30 km W Harare, 22.XII.1998, leg. M. Halada.

***Philanthus madagascariensis* BRÉTHES, 1910 (1♂)**

M a d a g a s c a r : 1♂, Anlanarivo province, Manankazo env., 29.XI.2002, leg. Jeniš.

***Philanthus major* KOHL, 1891 (2♀♀)**

E t h i o p i a : 2♀♀, Illubabor province, 15 km SW Bedele, 2000m, 5.IV.2007, leg. J. Halada.

***Philanthus melanderi* ARNOLD, 1925 (1♀, 3♂♂)**

S o u t h A f r i c a : 1♀, 1♂, West Cape, 20 km N Citrusdal, 27.X.1999, leg. M. Halada; 1♂, West Cape, S Lambert's Bay, 7.-9.X.1999, leg. M. Halada.

V a r i a t i o n : The following male has the abdominal segments II-IV reddish-brown.

S o u t h A f r i c a : 1♂, North Cape, 50 km W Loriesfontein, 14.X.1999, leg. Ma. Halada.

***Philanthus minor* KOHL, 1891 (2♀♀, 1♂)**

M o r o c c o : 1♂, Foum Zguid 30 km N, 30.III.1986, leg. Max Schwarz; 1♀, Er Rachidia, 11.IV.1995, leg. Ma. Halada.

T u n i s i a : 1♀, 50 km S Tataouine, 32°27'N 10°16'E, 5.V.1992, leg. Max Schwarz.

***Philanthus mongolicus* F. MORAWITZ, 1889 (2♂♂)**

M o n g o l i a : 1♂, Dornogov reg., 2 km SE KhuvsGol, 5.VIII.2007, leg. M. Halada; 1♂, Dornogov reg., 65 km SE Chatan-Bulag, 1020m, 2.VIII.2007, leg. M. Halada.

***Philanthus nigrohirtus* R. TURNER, 1918 (20♀♀, 13♂♂)**

N o t e : The species *P. nigrohirtus* and *P. stygius* are very similar. Revisional work should be done, maybe they are synonym.

B e n i n : 3♀♀, 15 km SE Save, 8.-25.IV.2000, leg. J. Halada.

C e n t r a l A f r i c a n R e p u b l i c : 1♀, 70 Km NNE Bangui, 445m, 04°57'N 18°46'E, 24.-28.XI.2010, leg. J. Halada; 1♀, 90 km NNE Bangui, 380m, 05°03'N 18°47'E, 14.III.2010, leg. J. Halada.

E t h i o p i a : 2♀♀, 1♂, Nera Dorze, 2400m, 06°10.84'N 37°34.79'E, IV.+V.2013, leg. Ströhle; 1♀, Sidamo province, ~50 km NE Mega, 1420m, 24.IV.2007, leg. J. Halada; 4♂♂, Nera Dorze, 2400m, 06°10'838"N 37°34'793"E (sic.), 1.-14.II.2016, + X.2016, leg. Ströhle; 1♂, Arab Minch, 1300m, 05°59'56"N 37°32'54"E, IX.2012, leg. Ströhle; 1♂, Dorze Lodge, 2400m, 06°10'56"N 37°34'35"E, 4.-17.X.2015, leg. Vladimir Major.

K e n y a : 2♀♀, W Mwingi, 6.IV.2007, leg. M. Halada; 2♀♀, Mwingi, Kangonde vadi, 18.IV.2007, leg. M. Halada; 1♀, Massai Reservat, 9.VIII.1975, leg. Nimmervoll.

M a l a w i : 1♀, 100 km S Kasungu, 29.XII.2001, leg. J. Halada.

M o z a m b i q u e : 2♀♀, Manicata province, 30 km NW Catandica, 17.-18.XII.2003, leg. J. Halada.

Z a m b i a : 3♂♂, 50 km E Mwinilunga, 28.X.2008, leg. Snižek; 1♂, 50 km E Mwinilunga, 11°43'S 24°47'E, 1400m, 2.XI.2008, leg. M. Halada; 1♂, 150 km S Mwinilunga, 13°11'S 24°14'E, 1100m, 18.X.2008, leg. M. Halada; 1♂, 100 km N Kapiri Mposhi, ATP Lounge, 23.XI.2004, leg. Snižek; 1♀, 40 km SSW Solwezi, 8.XII.2004, leg. Snižek & Tichý.

Z i m b a b w e : 2 ♀ ♀, Dorowa (Mutare), 29.XII.1998, leg. Snižek; 1 ♀, 40 km S Chipinge, Mt. Selinda, 13.XII.1998, leg. M. Halada.

***Philanthus notatulus* F. SMITH, 1862 (33 ♀ ♀, 12 ♂ ♂)**

I n d o n e s i a : 7 ♀ ♀, 2 ♂ ♂, Bali isl., Bedugul district, Tambligan lake, 1200m, VII. leg. Jakl; 1 ♀, Bali isl., Bedugul reg., Tambligan lake N.R., 1300m, III.2005, leg. Jakl; 1 ♀, 1 ♂, North Sumatra, Brastagi, 76 km S Medan, 30.III.-1.IV.1996, leg. Becvar.

L a o s : 1 ♀, Hua Phan Province, Ban Saleui, Phou Pan Mt., 20°13'30"N 103°58'34"E, 1350-1900m, 30.V.2011, leg. Holzschuh & locals. Same locality and collectors: 1 ♀, 19.V.2011; 1 ♀, 27.-28.IV.2010; 1 ♀, 25.IV.2012; 2 ♀ ♀, 20.VI.2013; 2 ♀ ♀, 1 ♂, 21.-22.VI.2013; 2 ♀ ♀, 1 ♂, 27.VI.2013; 1 ♀, 22.VI.2013; 1 ♂, 3.-5.IV.2014; 2 ♂ ♂, 4.VII.2013; 1 ♂, 25.-26.IV.2010; 1 ♂, 2.VII.2013. 2 ♀ ♀, Kammouan province, Nakai, 500-600m, 17°43'N 105°09'E, VI.2001, leg. Jakl; 1 ♀, 35 km NE Vientiane, Lao Pako env., 50m, 18°10'N 102°52'E, 1.-4.IV.2004, leg. Jendek & Šauša; 1 ♀, Bolikhamsai province, Ban Nape env., 350m, 18°20'N 105°08'E, 7.-16.V.2007, leg. Jendek & Šauša; 1 ♀, Ban Itou env., 10.-18.IV.1999, leg. Šauša; 1 ♀, Phongsaly province, Phongsaly env., ~1500m, 21°41'-2'N 102°06'-8'E, 28.V.-20.VI.2003, leg. Kubán; 1 ♀, Vientiane province, 55 km N Vientiane, 18°27'N 102°49'E, 100m, 4.-18.V.2005, leg. Kressl; 1 ♂, Province Sekong, ~10 km N Muang Tha Teng, 500-700m, N-Abhang des Bolavens-Plateaus, 29.V.1996, leg. Holzschuh.

M a l a y s i a : 2 ♀ ♀, Pahang, Cameron Highlands, Tanah Rata (35 km SEE Ipoh), ~1500m, 4°28'N 101°23'E, 19.-31.III.2003, leg. Řiha & Němec; 2 ♀ ♀, Pahang, 30 km NE Raub, ~300m, Lata Lembik, 3°56'N 101°38'E, IV.-V.2002, leg. Jendek & Šauša; 1 ♂, Pahang, Cameron Highlands, Tana Rata env., 2.-9.IV.1997, leg. Hauck.

T h a i l a n d : 1 ♀, Nan, außerhalb des Mae Charim NP Einganges, 18°36'0"N 100°58'34"E, 260m, 17.V.2012, leg. E. & J. Hüttinger. Same locality and collectors: 1 ♀, 9.V.2012; 1 ♀, 22.V.2012.

***Philanthus pacificus* CRESSON, 1880 (2 ♂ ♂)**

U . S . A . : 1 ♂, Washington, Prosser Beuton Co. VI.1996, leg. Stary; 1 ♂, Washington, N. am., leg. Heger.

***Philanthus pallidus* KLUG, 1845 (1 ♀)**

E g y p t : 1 ♀, Wadi El Tih, 14.VI.1935, leg. Priesner.

***Philanthus pilifrons* CAMERON, 1902 (1 ♀, 2 ♂ ♂)**

C a m e r o o n : 1 ♂, North-West province, Kefen Forest (6 km E Bambui), 06°02.050'N 10°17.423'E, 1800m, 13.-14.III.2008, leg. Řiha.

Z i m b a b w e : 1 ♀, 1 ♂, Troutbeck Inyanga Mts., 1900m, 23.IV.1985, leg. J. Gusenleitner.

***Philanthus pulchellus* SPINOLA, 1843 (3 ♀ ♀, 11 ♂ ♂)**

F r a n c e : 1 ♀, 1 ♂, Vaucl. Carpentras, 23.VIII.1956, leg. Verhoeff; 4 ♂ ♂, Chanos-Curson O Tournon, 18.VII.1984, leg. J. Gusenleitner.

P o r t u g a l : 2 ♂ ♂, Zambujeira do Mar, Dunes-Beach, 19.VII.2016, leg. J. Halada; 1 ♂, Algarve, Prata do Borda, 5 km N Vila do Bispo, 3.-4.VI.1996, leg. Tiefenthaler.

S p a i n : 2 ♂ ♂, Fuengirola, 22.VI.1962, leg. ?; 1 ♀, Cadiz, N Algaida San Lucar de B., 29.VI.1988, leg. Max Schwarz; 1 ♀, 1 ♂, Costa Brava, 15 km SE Figueres, 42°11'N 3°07'E, ~5m, 28.VII.2011, leg. J. Halada.

***Philanthus pulcher* DALLA TORRE, 1897 (68 ♂ ♂)**

U . S . A . : 24 ♂ ♂, WA, Prosser, V.-VI.1994, leg. Stary; 40 ♂ ♂, (WA), Beuton Co., Prosser, WSU area, VI.1996, leg. Stary; 2 ♂ ♂, Ariz., Florida Wash, Santa Cruz Co., 12.VII.2000, leg. ?

***Philanthus ramakrishnae* R. TURNER, 1918 (8 ♀ ♀)**

I n d i a : 8 ♀ ♀, Tamilnadu, Pakyra, Nilgiri Hills, 2250m, 11°26.9'N 76°36.9'E, 26.IV.2005, leg. M. Halada.

***Philanthus reinigi* BISCHOFF, 1930 (2 ♀ ♀)**

K y r g h y z s t a n : 2 ♀ ♀, Terskei Mt. R., N-Slope, Arashan r. valley, 42°28'N 78°32'E, 2000m, 20.+28.VIII.1999, leg. Makogonova.

***Philanthus rubidus* ARNOLD, 1946 (2 ♀ ♀, 16 ♂ ♂)**

K e n y a : 1 ♂, E Mwingi Sosoma, 600m, 27.XI.2011, leg. Snižek; 1 ♀, 6 ♂ ♂, Voi (Tsavo) env., 22.XI-2.XII.1996, leg. Mi. Halada; 1 ♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada; 1 ♂, Voi (Tsavo), 22.XI-2.XII.1996, leg. Snižek; 1 ♂, Mwingi env., 7.IV.2007, leg. M. Halada.

T a n z a n i a : 1 ♂, SE Nbuyuni Baobab vall., NE Iringa, 9.III.2002, leg. Snižek.

N o t e : The male of *P. rubidus* differs from the female only in having more developed yellow marks on the face and the thorax. The male of *P. rubidus* is similar to *P. variolosus* but differs distinctly in having the terga I-V dull and microscopically rugulose (*P. variolosus* has the terga I-V shining and very coarsely, deeply but not closely punctate).

V a r i a t i o n : The following specimens of *P. rubidus* are characterized by much more yellow patches on thorax, propodeum and abdomen.

K e n y a : 1 ♀, 1 ♂, E Mwingi, W Nguni, 1.XII.2010, leg. Snižek; 1 ♂, Tsavo East, Buchuma, 28.XI.1997, leg. Snižek; 1 ♂, E Mwingi, Sosoma, 600m, 27.XI.2011, leg. Snižek.

T a n z a n i a : 2 ♂ ♂, Dodoma province, 35 km E Dodoma, 05°54'S 35°45'E, 1100m, 14.XII.2006, leg. J. Halada.

***Philanthus rugosus* KOHL, 1891 (1 ♀, 3 ♂ ♂)**

E t h i o p i a : 1 ♂, Sidamo province, 25 km E Kibre Mengist, 1850m, 29.IV.2007, leg. J. Halada.

S o u t h A f r i c a : 1 ♀, 1 ♂, North Cape, 50 km SW Springbok wadi Buffels, 18.X.1999, leg. M. Halada; 1 ♂, Northern Cape, SW Springbok, Buffels wadi, 4.XI.1999, leg. M. Halada; 1 ♂, West Cape, NNE Clanwilliam Doringbos, 11.X.1999, leg. M. Halada.

***Philanthus rutilus* SPINOLA, 1839 (2 ♀ ♀)**

E g y p t : 1 ♀, Gebel Elba, I.1933, leg. H. Priesner.

I s r a e l : 1 ♀, Nahal Lavan, 4 km NW Beer Milka, 30°57'33"N 34°22'21"E, 180m, 26.II.1013, leg. Dorchin.

***Philanthus sanbornii* CRESSON, 1865 (2 ♀ ♀, 1 ♂)**

U . S . A . : 2 ♀ ♀, Michigan, Oratit Co. 13.VII.1946, leg. Dreisbach; 1 ♂, New York, Areola, VII.1926, leg. Schott.

***Philanthus schulthessi* MAIDL, 1924 (1 ♀)**

E g y p t : 1 ♀, Mersa Matruh, 22.-29.VIII.1954, leg. ?, det. Pulawski.

***Philanthus sicarius* F. SMITH, 1856 (8 ♂ ♂)**

C e n t r a l A f r i c a n R e p u b l i c : 1 ♂, 90 km S Bozoum, 780m, 05°39'N 16°37'E, 30.V.2009, leg. J. Halada; 1 ♂, 45 km E Nola, 570m, 03°40'N 16°26'E, 17.XII.2008, leg. J. Halada.

S o u t h A f r i c a : 1 ♂, KwazaZulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 1 ♂, Maputoland SW Emanguzi, 29.I.2003, leg. Snižek; 1 ♂, KwazaZulu Natal-N, Tembe Elephant Park, 8.VII.2002, leg. Ma. Halada; 1 ♂, Rustenburg, Transvaal, XII.1961, leg. Layne; 1 ♂, Mpumalanga, 20 km SW Lydenburg, 20.-21.XI.2003, leg. J. Halada.

Z a m b i a : 1 ♂, Mkushi env. E, 16.-18.XII.2004, leg. Snižek.

***Philanthus soikai* de BEAUMONT, 1961 (8 ♀ ♀, 5 ♂ ♂)**

M o r o c c o : 3 ♀ ♀, 30 km N Bouarfâ, 19.V.1995, leg. Ma. Halada.

T u n i s i a : 4 ♀ ♀, 5 ♂ ♂, Sidi Boubaker, 40 km NW Gafsa, 34°39'N 8°27'E, 11.V.1992, leg. Max Schwarz, det. M. Guichard and Max Schwarz; 1 ♀, 56 km S Tataouine, 11.IV.1994, leg. J. Gusenleitner, det. Guichard.

N o t e : De BEAUMONT, 1961, expressed the possibility *P. soikai* is only a subspecies of *P. minor* but he had not seen the male. Guichard (1994:211) has examined the specimens mentioned above and concluded *P. soikai* to be a good species with its larger size, 10 – 11 mm, and dramatic sexual dimorphism. The female is black, dark red and white, while the male has extensiv yellow markings on abdomen and thorax, inclining to ivory on head. Strukturally, *P. sokai* differs from *P. minor* by the wider pronotal collar with lateral angles squarer and less rounded, while the front of the pronotum seen in profile falls vertically insted of sloping at an angle as in *P. minor*.

***Philanthus stygius* GERSTAECKER, 1858 (2 ♀ ♀, 9 ♂ ♂)**

C e n t r a l A f r i c a n R e p u b l i c : 1 ♂, ~40 km E Bambio, 03°56'N 17°12'E, 500m, 9.XI.2012, leg. J. Halada; 1 ♀, Kembe, 4°29'N 21°53'E, 10.VII.1985, leg. Dollfuss.

G h a n a : 1 ♂, Volta Region, Biakpa Avatime NW Amedzofe, 6.85°N 0.42°E, 13.X.2011, leg. Pühringer.

K e n y a : 1 ♂, Voi, 16.V.2007, leg. M. Halada; 1 ♂, Mwingi, Kangonde vadi, 18.IV.2007, leg. M. Halada.

N i g e r i a : 1 ♂, Gashaka Gumfi NP, 25 Km SW Serti env., 400m, 7°20'N 11°13'E, 9.-13.V.2011, leg. J. Halada.

T a n z a n i a : 1 ♂, Mombo or., 9.-11.I.1996, leg. Snižek.

Z a m b i a : 2 ♂ ♂, 40 km SSW Solwezi, 8.XII.2004, leg. Snižek & Tichý; 1 ♂, 20 km E Solwezi, 3.I.2003, leg. J. Halada.

Z i m b a b w e : 1 ♀, 10 km N Chipinga, 17.VI.1985, leg. J. Gusenleitner.

***Philanthus triangulum* (FABRICIUS, 1775) (412 ♀ ♀, 965 ♂ ♂)**

A f r i c a n s u b s a h a r a n s p e c i m e n s : In ARNOLD 1925 as *P. triangulum* ssp. *diadema* (FABRICIUS, 1781).

N o t e : Especially the males are extemely variable in color. Some are nearly all reddish-brown, others habe black bands on the gaster nearly as specimens in Central Europa.

- B e n i n** : 1♀, Zangnanado river Ouene, 15.IV.2000, leg. J. Halada; 1♂, 15 km SE Save, 8.-25.IV.2000, leg. J. Halada; 1♂, Dassa, 17.IV.2000, leg. J. Halada.
- C a m e r o o n** : 1♂, North-West province, E Big Babanki env., 1200m, 06°06.698'N 10°15.938'E, 5.-13.III.2008, leg. Řiha.
- C e n t r a l A f r i c a n R e p u b l i c** : 4♂♂, 45 km E Nola, 570m, 03°40'N 16°26'E, 17.XII.2008, leg. J. Halada; 1♂, ~60 km W Bouar, 660m, 05°45'N 15°13'E, 23.III.2010, leg. J. Halada; 2♂♂, 60 km W Bouar, 860m, 05°42'N 16°00'E, 1.VI.2009, leg. J. Halada; 1♂, Bangui-Binbo, 380m, 04°20'N 18°32'E, 19.-23.XI.2010, leg. J. Halada; 1♂, 90 km S Bozoum, 780m, 05°39'N 16°37'E, 30.V.2009, leg. J. Halada; 1♂, 45 km E Nola, 03°40'N 16°20'E, 10.XI.2012, leg. J. Halada.
- E t h i o p i a** : 1♀, Nazaret Melkasa, 10.IX.-24.X.1999, leg. Beneš; 1♀, Arba Minch, 1300m, 05°60'N 37°33'E, XI.2011, leg. Ströhle; 1♀, 1♂, 20 km SE Konso, 05°15'N 37°32'E, 850m, 11.-13.V.2015, leg. J. Halada; 1♀, Nera Dorze, 2400m, 16°10.84'N 37°34.79'E, IV.2013, leg. Ströhle; 1♂, Sidamo province, near Bitata, 1400m, 27.IV.2007, leg. J. Halada; 1♂, Sidamo province, 25 km E Kibre Mengist, 1850m, 29.IV.2007, leg. J. Halada.
- G u i n e a** : 1♀, Zerekovc, IV.1968, leg. Disen; 1♀, unreadable, 1964, leg. Disen.
- K e n y a** : 7♀♀, 6♂♂, Mathews Range, 1.20°N 37.25°E, 2000m, 29.-30 VII.1993, leg. Leonhardsberger; 1♀, Samburu Nat. Park, 00.50N 37.50°E, 900m, 19.-20.VII.1993, leg. Leonhardsberger; 1♀, 4♂♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada; 1♀, 24♂♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada & Snižek; 3♀♀, 2♂♂, E Mwingi, 14.V.2007, leg. M. Halada; 4♀♀, 3♂♂, Kangdode, Kithioko, 6.IV.2004, leg. Snižek; 1♀, Mwingi Kangonde vadi, 18.IV.2007, leg. M. Halada; 1♂, Mwingi env., 7.IV.2007, leg. M. Halada; 1♂, W Mwingi, 6.IV.2007, leg. M. Halada; 4♂♂, Voi (Tsavo), 23.III.-4.IV.1997, leg. Ma. Halada; 2♂♂, Voi (Tsavo), 13.-17.XII.1997, leg. Snižek; 1♂, Voi (Tsavo), 11.-14.IV.1997, leg. Ma. Halada; 1♂, (Tsavo), Tai Hills, Wundanyi, 19.-21.XI.1996, leg. Mi. Halada; 1♂, Eastern Nguni N Ngomeni, 27.IV.2008, leg. Snižek; 1♂, Nairobi, Athi river City env. 20.XI.1999, leg. Snižek.
- M a d a g a s c a r** : 1♀, 3♂♂, Ambatolampy, 70 km S Tone, 27.XI.1999, leg. Kantner; 1♂, Antsirana province, Ambohitra env., 20.-26.XII.2002, leg. Jeniš.
- M a l a w i** : 1♀, Mulanie Mts. env., 23.-26.XII.2001, leg. J. Halada; 1♀, Nkotakota lake Malawi, 2.I.2002, leg. J. Halada; 1♂, 85 km SE Liongwe Dezda, 5.-12.I.2002, leg. J. Halada.
- M a l i** : 1♀, 60 km SW Segon, 1.VIII.1991, leg. Max Schwarz; 1♂, 10 km S Mpoti, 8.VIII.1991, leg. Max Schwarz.
- M o z a m b i q u e** : 1♀, 15 km SE Save, 21°13'S 34°40'E, 65m, 18.-19.XII.2005, leg. J. Halada; 1♂, Sofala province, 10 km NW Save, 6.XII.2003, leg. J. Halada; 1♂, Manica province, 45 km NW Chimoio, 12.-20.XII.2003, leg. J. Halada; 1♂, 70 km N Maputo, 3.XII.2003, leg. J. Halada; 1♂, 35 km SW Chimoio, 19°08'S 33°09'E, 700m, 14.XII.2005, leg. J. Halada; 1♂, Inhambane province, 15 km SE Seve, 27.XII.2003, leg. J. Halada; 1♂, 65 km S Vlógné, 15°13'S 34°19'E, 1250m, 8.XII.2005, leg. J. Halada; 1♂, 100 km NE Tete, 15°26'S 34°20'E, 910m, 7.XII.2005, leg. Kadlecova.
- N a m i b i a** : 1♀, 3♂♂, 15 km E Swakopmund, 8.II.1993, leg. J. Gusenleitner; 1♀, 21♂♂, 15 km E Swakopmund, 4.II.1993, leg. Max Schwarz; 1♀, 1♂, Kavangogeb. 1, Rundu, 10.+11.III.1990, leg. Max Schwarz; 1♀, Mariental, 73 km S Mariental, 10.II.1990, leg. Max Schwarz; 1♀, Khomas province, 150 km NE Windhock, 23°16'S 16°19'E, 1600m, 19.III.2014, leg. J. Halada; 1♀, 4♂♂, Kuene province, 50 km NEE Khorixas, 20°15'S 15°24'E, 1130m, 25.III.2014, leg. J. Halada; 1♀, Otjiwaromgo, 3 km NE Kalkfeld, 2.III.1990, leg. Max Schwarz; 10♂♂, 15 km E Swakopmund, 14.II.1993, leg. J. Gusenleitner; 1♂, Okohandja, 27 km S Okohandja, 18.II.1990, leg. Max Schwarz; 1♂, Okohandja, 25 km NW Okohandja, 3.III.1990, leg. Max Schwarz.
- S e n e g a l** : 2♀♀, 35 km W Kedougou Nbebou, 23.VI.2004, leg. Ma. Halada; 1♂, Niokolo Koba NP, 13°01.13'N 13°18.48'W, 15.VII.2004, leg. Ma. Halada; 1♂, 15 km E Velingara, 28.VI.2004, leg. M. Halada; 2♂♂, 10 km E Medina Gaunas, 13°08.05'N 13°42.03'W, 25.VI.2004, leg. M. Halada; 2♂♂, 60 km S Velingara Pakoui, 27.VI.2004, leg. Ma. Halada; 1♂, 10 km SE Kedougou, 12°33.52'N 12°15.72'W, 22.VI.2004, leg. Ma. Halada.

- South Africa:** 4 ♀♀, CP Olifantshoek, 24.-25.III.1990, leg. Max Schwarz; 1 ♀, CP Kalahari Gemsbok Nat. Park, 78km N Twe Rivieren, 28.III.1990, leg. Max Schwarz; 1 ♀, 1 ♂, TV Pretoria E, 22.III.1990, leg. Max Schwarz; 6 ♀♀, 3 ♂♂, West Cape, Mosel Bay, route Herberdsdale-Langberg, 19.I.2001, leg. Snižek; 3 ♀♀, 1 ♂, Kwazalulu Natal Tembe Elephant Park, 8.XII.2002, leg. Ma. Halada; 4 ♀♀, Eastern Cape province, 25 km N Jansenville, 32°49'S 24°47'E, 600m, 4.I.2010, leg. J. Halada; 11 ♀♀, 34 ♂♂, Maputoland SW Emaguzi, 29.I.2003, leg. Snižek; 2 ♀♀, Kwazulu Natal, 28.I.2002, leg. Snižek; 1 ♀, 2 ♂♂, KwazaZulu Natal, 10 km W Utrecht, 29.XI.2002, leg. Ma. Halada; 1 ♀, Mpumalanga, Waterval Boven, 10.-11.II.2000, leg. J. Halada; 1 ♀, Maputoland, Tembe Elephant Park env., (Jozini), 22.I.2003, leg. Křivan; 1 ♀, West Cape, NEN Clamwilliam, Doringbos, 11.X.1999, leg. M. Halada; 1 ♀, North West province, 30 km W Bothaville, Vaal river, 20 km S Leeudoringstad, 23.-26.XII.2008, leg. Sládeček; 1 ♀, North Cape, SW Loriesfontein, 13.X.1999, leg. Ma. Halada; 1 ♀, 1 ♂, O.F.S., 30 km N Colesberg, Orange river, 25.XI.2002, leg. M. Halada; 1 ♀, O.F.S., Villers, 15.I.2003, leg. Snižek; 1 ♀, Mpumalango, Waterval-Boven, Eland river, 18.I.2000, leg. J. Halada; 1 ♀, W Cape, Ashton (Robertson), 26.X.1999, leg. Ma. Halada; 1 ♀, 2 ♂♂, North West, O.F.S., 20 km W Bothaville, Vaal river, 27.IX.2002, leg. Ma. Halada; 1 ♀, 3 ♂♂, West Cape, 20 km N Citrusdal, 27.X.1999, leg. M. Halada; 1 ♀, North Cape, Van Zylsrus (Kalahari), 15.I.2001, leg. Snižek; 7 ♂♂, Eastern Cape, Cradock (N env.), 880m, 32°08'S 25°38'E, 17.XII.2007, leg. Řiha; 4 ♂♂, North-West province, 30 km W Bothaville, Vaal river, 20 km S Leeudoringstad, 23.-26.XII.2008, leg. Sládeček; 3 ♂♂, KwazaZulu Natal Tembe Elephant Park, 30.XI.2002, leg. Ma. Halada; 1 ♂, Mpumalanga, 20 km SE Nelspruit, 5.-6.I.2004, leg. J. Halada; 1 ♂, Western Cape, 1.5 km S Steelwater, 70m, 33°45.552'S 18°33.279'E, 7.XII.2007, leg. Řiha; 1 ♂, North West, 50 km S Kimberley, Ritchie, 22.I.2000, leg. J. Halada; 1 ♂, North Cape, 50 km SW Springbok vadi Buffels, 18.X.1999, leg. M. Halada; 1 ♂, West Cape, Lamberts Bay coast, 29.X.1999, leg. M. Halada; 1 ♂, KwazaZulu Natal N Louwsburg Itala, 9.II.2002, leg. J. Halada; 1 ♂, Eastern Cape, 20 km W Paterson Kirkwod, 26.I.2000, leg. J. Halada; 2 ♂♂, Northern Cape, N Karnieskron, 2.XI.1999, leg. M. Halada; 1 ♂, North Cape, SW Springbok, 4.XI.1999, leg. M. Halada; 1 ♂, NE Nylstroom, N Johannesburg, 14.I.2008, leg. Snižek; 1 ♂, North West, W Bothaville, Vaal river, 27°24'S 26°24'E, 1250m, 23.XII.2007, leg. M. Halada; 1 ♂, KwazaZulu Natal, Mbazwana, 6.XII.2002, leg. Ma. Halada; 1 ♂, North West province, Wryburg env., 14.I.2001, leg. Snižek; 1 ♂, North West, 20 km W Bothaville, Klerksdorp, Vaal river, 31.I.2001, leg. Snižek; 1 ♂, North Cape, W Calvinia, 12.X.1999, leg. M. Halada; 1 ♂, North West province, Bothaville, Vaal river, 16.I.2003, leg. Snižek; 1 ♂, West Cape, Klein-Karoo, Grot river, Langberg, 24.I.2002, leg. Ma. Halada; 1 ♂, West Cape, 50 km N Cape Town, 21.XI.2002, leg. Ma. Halada; 1 ♂, KwazaZulu Natal, N Newcastle, Ingogo, 22.XI.2002, leg. Ma. Halada; 1 ♂, KwazaZulu Natal, 20 km S Newcastle, 28.XI.2002, leg. Ma. Halada; 1 ♂, KwazaZulu Natal, 20 km S Emanguzi, 3.XII.2002, leg. Ma. Halada; 2 ♂♂, North West, W Bothaville, Vaal river, 27°24'S 26°24'E, 1250m, 28.XII.2007, leg. M. Halada & Snižek; 1 ♂, Northern Transvaal, N Nylstroom, 24°40'S 28°30'E, 1200m, 14.I.2008, leg. M. Halada; 1 ♂, Eastern Cape province, 25 km N Jansenville, 32°49'S 24°44'E, 600m, 4.I.2010, leg. J. Halada; 1 ♂, North Cape, 25 km E Hondeklipbay vadi, 17.X.1999, leg. Ma. Halada; 1 ♂, NC, Limpopo Modimole, 30.XII.2008, leg. Snižek; 1 ♂, Western Cape, 8 km SW Tree Sisters, 31°57.462'S 23°01.702'E, 1050m, 19.-20.XII.2011, leg. Řiha; 1 ♂, West Cape, K. Karoo mer., Langberg env., 21.XI.2003, leg. Snižek; 1 ♂, Eastern Cape province, 40 km E Plettenberg Bay, 34°01'S 23°53'E, 180m, 8.I.2010, leg. J. Halada.
- Tanzania:** 1 ♀, 1 ♂, Iringa province, 50 km NW Iringa, 07°41'S 35°22'E, 1000m, 7.I.2007, leg. Kadlecová; 1 ♀, Dodoma province, 35 km N Dodoma, 1100m, 05°54'S 35°45'E, 14.XII.2006, leg. J. Halada; 1 ♀, Same, 12.-17.V.1999, leg. Kudrna; 5 ♂♂, Mbeya province, Mbeya City, 5.I.2007, leg. J. Halada; 2 ♂♂, 40 km E Dar Es Saalam, 6.III.2002, leg. Snižek; 1 ♂, Mbeya province, 35 km NE Mbeya, 1150m, 08°46'S 33°41'E, 1150m, 4.I.2007, leg. J. Halada; 1 ♂, SE Nbuyuni Baobab vall., NE Iringa, 9.III.2002, leg. Snižek.
- Zambia:** 1 ♀, 150 km S Mwinilunga, 13°11'S 24°14'E, 1100m, 2.XI.2008, leg. M. Halada; 1 ♀, 70 km NE Kapiri Mposhi, 13°41'S 29°18'E, 1250m, 21.XI.2005, leg. M. Halada; 1 ♀, 4 ♂♂, 50 km E Mwinilunga, 11°43'S 24°47'E, 1400m, 18.X.2008, leg. M. Halada; 2 ♂♂, 150 km S Mwinilunga, 11°13'S 24°14'E, 1100m, 18.X.2008, leg. M. Halada; 1 ♂, 50 km E Mwinilunga, 11°43'S 24°47'E, 1400m, 2.XI.2008, leg. M. Halada.
- Zimbabwe:** 4 ♀♀, 40 km S Chipinge, Mt. Selinda, 13.XII.1998, leg. M. Halada; 2 ♂♂, Harare, 20.I.1998, leg. Ma. Halada; 3 ♂♂, Mont Selinda, 12.XII.1998, leg. J. Halada; 1 ♂, 70 km N



Chivhu, Featherstone, XII.1998, leg. Snižek; 2♂♂, Mushandike Sanctuary, Masvingo, 9.IX.-11.XII.1998, leg. Ma. Halada & Bečvar; 1♂, 20 km W Harare, 29.XI.1998, leg. Ma. Halada; 1♂, 70 km SW Gweru Natlatare Ruins env., XII.2011, leg. J. Halada; 1♂, 20 km E Masvingo, Nyika, 12.XII.1998, leg. Ma. Halada.

#### P a l e a r c t i c s p e c i m e n s :

1.778 specimens were determined by Dr. J. Gusenleitner Linz. The locality and date of capture are given into ZODAT (Linz). They are available under the following address:

<http://www.zobodat.at/arten.php?id=10346>.

The remaining specimens were examined by the author and are listed as following:

**A l b a n i a :** 1♂, Ksamili, beach, 10 km S Sarande, 4.IX.2015, leg. J. Halada.

**A l g e r i a :** 1♀ 1♂, Tipasa, 5.VII.1980, leg. Strejček; 9♂♂, Sidi Feredj, 12.+13.VII.1980, leg. Strejček; 7♂♂, Aures, Ain Zaatout, 1.-4.VI.1971, leg. Hoffer & Horák; 1♂, Hamam Salihina, 24.-25.V.1971, leg. Hoffer & Horák.

**A u s t r i a :** 2♀♀, Nö. Oberweiden, 3.+4.VIII.2000, leg. Max Schwarz; 2♀♀, Nö. Guntramsdorf, 8.IX.1959, leg. Kusdas; 1♀, 1♂, Nö. Guntramsdorf, 15.VIII.1960, leg. Max Schwarz; 2♀♀, 13♂♂, Bgld. Neusiedl, Panzer, 14.VIII.1960, leg. Max Schwarz; 1♀, Bgld. Zurndorf, 18.IX.1979, leg. Max Schwarz; 1♀, Bgld. Neusiedlersee, 11.VIII.1948, leg. Hamann; 1♀, 4♂♂, Bgld. Breitenbrunn, 12.VII.1960, leg. Kusdas; 12♀♀, 22♂♂, Oö. Linz, Plesching, Austernbank, 1948, leg. Hamann; 3♀♀, Oö. Linz, Gaumberg, 24.+27.VII.1948, leg. Hamann; 1♀, 3♂♂, Oö. Linz, Luftenberg, 12.IX.1948, leg. Hamann; 1♀, Oö. Eferding, 29.VII.1951, leg. Hamann; 1♀, Oö. Mönchgraben bei Ebelsberg, 22.VIII.1948, leg. Koller; 1♀, 2♂♂, Oö. Umgebung Urfahr, Austernbank bei Plesching, 16.VIII.1948, leg. Koller; 1♀, Oö. Linz, Plesching, 14.VIII.1965, leg. Max Schwarz; 1♀, Wien 21, Stammersdorf, N48°18.9'N 16°25.0'E, 3.IX.2016, leg. Zettel; 2♂♂, Wien 2, Nordbahnhof, 48°13.78'N 16°23.35-55'E, 165m, 13.IX.2016, leg. Zettel; 2♂♂, Nö. Gerasdorf, E Krems, Weinberge, 48°26.26'N 15°41.29'E, 1.-2.VII.2015, leg. Tiefenthaler; 1♂, Oö. Linz, KGA Riesenhof, 48°19.06'N 14°16.13'E, 3.-5.VIII.2015, leg. Tiefenthaler; 17♂♂, Oö. Luftenberg, 6.VII.1952, leg. Hamann; 5♂♂, Nö. Guntramsdorf, VIII.1959, leg. Max Schwarz; 4♂♂, Oö. Ebelsberg, Autobahn, 1948-1949, leg. Hamann; 1♂, Bgld. Winden/See, 8.VII.1961, leg. Kusdas; 1♂, Bgld. Winden/See, 8.VII.1961, leg. H. Priesner; 1♂, Bgld. Neusiedl, 17.VIII.1962, leg. J. Schmidt; 1♂, Nö. Oberweiden, 3.VII.1959, leg. Max Schwarz; 1♂, Nö. Guntramsdorf, 8.IX.1957, leg. Kusdas; 1♂, Nö. Hollabrunn, 23.VIII.1992, leg. Max Schwarz; 2♂♂, Oö. Linz, Gaumberg, 27.VII.1948, leg. Hamann; 2♂♂, Oö. Linz Urfahrwände an Stachys recta, Nähe Spatzenhof, 14.VI.1948, leg. Hamann; 1♂, Bgld. Neusiedlersee, 11.VIII.1948, leg. Max Schwarz; 1♂, Bgld. Winden/see, 14.VIII.1984, leg. Max Schwarz; 1♂, Oö. Steyregg, 17.VII.1948, leg. Hamann.

**B u l g a r i a :** 3♀♀, 15 km SW Elchovo Knazevo, 42°06'N 26°30'E, 100m, 19.VI.2008, leg. M. & Z. Halada; 1♀, Arkutino, 1.VIII.1965, leg. Pádr; 1♀, Kresna, 41°42'N 23°11'E, 150m, 24.VI.2008, leg. M. & Z. Halada; 1♀, 5 km NE Harmandli, 41°57'N 25°57'E, 200m, 14.VI.2008, leg. Wolf; 1♂, Snčev Brjag, 13.VIII.1970, leg. Kocourek; 1♂, Varna-Kabakum, 1.IX.1971, leg. Tkalců.

**C r o a t i a :** 1♀, Insel Krk, 17.-26.IX.1993, leg. Drack; 2♂♂, Novalja, 19.-22.VIII.1980, leg. Riedel; 1♀, Istrien, leg. Max Schwarz.

**C y p r u s :** 1♂, Famagusta, 18.VIII.1997, leg. Boness; 1♀, Mylikouri, 34°58.32'N 32°44.77'E, ~100m, 11.V.2014, leg. Kofler; 1♂, Lamaka, saline, 27.X.-1.XI.2002, leg. Burlisch.

**C z e c h R e p u b l i c :** 3♀♀, Moravia-S, Ječmenište, Znojmo, 48°45'N 16°09'E, 250m, 9.VII.2013, leg. M. Halada; 4♀♀, Moravia-S, Bzenes, přívóz pískovna, 48°57'N 17°18'E, 180m, 28.VI.2012, leg. Ma. Halada; 1♀, Moravia-S, S Brno Bratčice, 49°03'N 16°31'E, 220m, leg. Ma. Halada; 1♀, Moravia-S, Vojenskécvičište (Nat. Res.), near Bzenec, distr. Hodonin, 48°57'N 17°17'E, 190m, 2.VIII.2007, leg. Řiha; 1♀, Moravia-S, Havraníky, Znojmo, 48°49'N 16°00'E, 320m, 8.VII.2013, leg. Haladova; 1♀, Moravia-S, Havraníky, Znojmo, 48°49'N 15°59'E, 320m, 10.VII.2014, leg. M. Halada; 1♀, Bohemia, České Budějovice, 17.VI.2007, leg. M. Halada; 1♀, Bohemia, České Budějovice, Malaise trap, 48°58'N 14°53'E, 440m, VIII.2009, leg. M. & Z. Halada; 1♀, Bohemia-S, Františkov, 5.VII.2008, leg. M. Halada; 2♀♀, Bohemia-S, Sedlčany

- Hoišín, 23.VIII.2013, leg. Snižek; 1 ♀, Bohemia-S, CB Nove Hodejovice, 48°57'N 14°30'E, 430m, 3.VII.2014, leg. M. Halada; 1 ♀, Bohemia-S, Č. Budějovice, D. Voda, 48°58'N 14°31'E, 400m, IX.2013, leg. M. Halada; 1 ♀, Moravia-S, Čejč, 27.VII.1939, leg. Zavadil; 2 ♀ ♀, Františkov, 19.VIII.2005, leg. Karas; 1 ♀, Bohemia, Zliv, 20.VII.1995, leg. Karas; 3 ♂ ♂, H. Neresce, 25.VII.2005, leg. Karas; 2 ♂ ♂, Františkov, 19.VIII.2005, leg. Karas; 1 ♂, Tušt, 25.VIII.2001, leg. Karas; 1 ♂, Bulhary, 10.VIII.2005, leg. Karas; 1 ♀, Třebon, Tušt, 23.VIII.2000, leg. M. Halada; 5 ♂ ♂, Moravia, Lhotau P. 28.VII.1984, leg. ?; 1 ♂, Česce Buějovice, Srubec, 20.VII.2001, leg. Ma. Halada; 1 ♂, Moravia, Hustopeče, 1.IX.2000, leg. Snižek; 3 ♂ ♂, Bohemia-S, Vyšný, Český Krumlov, 48°50'N, 14°18'E, 570m, 20.VII.2016, leg. M. Halada; Bohemia-S, Č. Buějovice, Nové Homole env., VIII.2016, leg. Snižek.
- E g y p t : 1 ♀, Meadi, 26.II.1931, leg. Priesner; 1 ♀, 1 ♂, Fayum, Hanard, 14.I.1972, leg. Zouhar; 1 ♀, Kahira, 29.VIII.1971, leg. Zouhar; 1 ♀, Kahira-Gezira, 19.VIII.1974, leg. Zouhar; 6 ♂ ♂, Giza Naslet el Saman, 7.XII.1974, leg. Zouhar; 4 ♂ ♂, Giza Naslet el Saman, 19.V.1973, leg. Zouhar; 2 ♂ ♂, Fayum, oasis, 29.III.1974, leg. Zouhar; 5 ♂ ♂, Kahira, 1971-1973, leg. Zouhar; 1 ♂, Mariout-El Agami, 21.V.1971, leg. Zouhar; 1 ♂, Kahira-Gezira, 11.IX.1970, leg. Zouhar; 1 ♂, El Agdmi, 11.VIII.1970, leg. Zouhar; 1 ♂, Ashmunein, 24.III.1972, leg. Zouhar; 1 ♀, 1 ♂, Meadi, leg. Priesner; 3 ♂ ♂, Cairo, El Marg, 22.III.1996, leg. Barták; 1 ♂, Fayed, V.1943, leg. Priesner; 1 ♀, Mejdum pyr., 19.III.1971, leg. ?.
- F i n l a n d : 2 ♂ ♂, Leuritsala, 19.VIII.1958, leg. Valkeila; 1 ♂, Sa Lappee, 6.VII.1956, leg. Valkeila.
- F r a n c e : 1 ♀, 2 ♂ ♂, Carolles/Norm., 22.VIII.-3.IX.2004, leg. Wolf & Surholt; 1 ♀, Vaucl. Carpentras, 2.VIII.1963, leg. Linsenmaier; 1 ♂, Leucate, 8.VIII.1987, leg. Bitsch; 3 ♂ ♂, Bordeaux, 2.VII.1944, leg. Hamann.
- G e r m a n y : 9 ♀ ♀, 3 ♂ ♂, Marburg (Lahn), 22.VI.1949, leg. Wolf; 1 ♀, Oberlausitz vie Taur, Wiesenteich, 2.VIII.1996, leg. ?.
- G r e e c e : 3 ♀ ♀, Kreta, Giorginopolis, 15.X.2000, leg. Boness; 12 ♀ ♀, Chalkidiki, SE Kassandria, Paliouri env., 6.-11.VI.2015, leg. Snižek; 4 ♀ ♀, Karpathos, 200m ob Lefkos, 35°35.21'N 27°04'E, 19.-24.VI.2012, Tiefenthaler; 2 ♀ ♀, Chalkidiki, Kassandria, Pallouri env., 18.V.2014, leg. Snižek; 1 ♀, Zakynthos SE vic. Vassilikos "Banana-Beach", 0-5m, 25.-31.VIII.2009, leg. Aistleitner; 2 ♀ ♀, Hellas, Kamena Vourla, 16.VII.1968, leg. Pádr; 3 ♂ ♂, Polichrono, 5.VI.1999, leg. Karas; 4 ♀ ♀, 13 ♂ ♂, Kreta, Heraklion, 14.V.1963, leg. Max Schwarz; 3 ♀ ♀, Peloponnese-W, Iria, SE Nafplio, 37°30'N 22°59'E, 2m, 28.V.2016, leg. M. Halada; 3 ♀ ♀, 5 ♂ ♂, Chalkidiki, W Varvara, 15.-19.VI.2013, leg. Snižek; 1 ♀ 1 ♂, Chalkidiki, W Nikiti, 12.-14.VI.2013, leg. Snižek; 1 ♀, 1 ♂, Athen-Akropolis, 9.VI.1962, leg. Hamann; 1 ♀, Karpathos Isl, Koto Lefkos env., 11.-19.VI.2014, YPT, leg. A. & J. Straka; 1 ♀, Kerkira isl, SW coast Agios Georgios Argirades, 23.VIII.2000, leg. Trojan; 1 ♀, Athen Akropolis, 9.VI.1962, leg. Max Schwarz; 1 ♀, Insel Mykonos, Kyklad., Strand, 7.VI.1962, leg. Max Schwarz; 1 ♀, Sitia, 17.V.1963, leg. Max Schwarz; 1 ♀, Peloponnese-W, 2 km W Stavropodi, 400m, 27.V.2016, leg. M. Halada; 1 ♀, Karpathos, Lefkos, 7.VI.2004, leg. Tkalců; 1 ♀, 11 ♂ ♂, Peloponnese-S, 6 km SE Skala, 36°48'N 22°45'E, 1m, 1.VI.2016, leg. M. Halada; 1 ♂, Mt. Parnou, 700m, Vresthena, 37°14'N 22°28'E, 27.V.2016, leg. Deneš; 1 ♂, Mt. Ossa, 800m, Spilia, 39°48'N 22°39'E, 5.VI.2016, leg. Deneš; 1 ♂, Peloponnes, Lakonia, NE Gythoio, Gyfada Beach, 0-5m, 36°47'N 22°34.9'E, 14.V.2016, leg. Zettel; 7 ♂ ♂, Kreta, Heraklion, 22.+25.V.1963, leg. Max Schwarz; 1 ♂, Kreta, Heraklion, 22.V.1963, leg. Kusdas; 1 ♂, Peloponnes, Neo Korinth, 22.V.1962, leg. Hamann; 1 ♂, Peloponnes, Alt Korinth, 3.VI.1960, leg. Kusdas; 6 ♂ ♂, Peloponnes, Korinth, 22.V.1962, leg. Max Schwarz; 1 ♂, Peloponnes, Alt Korinth, 1.VI.1964, leg. Max Schwarz; 2 ♂ ♂, Peloponnes, Alt Korinth, 24.+30.V.1964, leg. Max Schwarz; 5 ♂ ♂, Peloponnes, Kalamata, 11.-13.V.1964, leg. Max Schwarz; 1 ♂, Peloponnes, Olympia, 17.V.1964, leg. Max Schwarz; 1 ♂, Athen Akropolis, 21.V.1962, leg. Max Schwarz; 2 ♂ ♂, Kreta, Sitia, 19.V.1963, leg. Max Schwarz; 3 ♂ ♂, Karpathos, Amopi, 5.VI.2004, leg. Tkalců; 4 ♂ ♂, Peloponnes, NE Kiparisia, 37°17'N 21°46'E, 100m, 6.VI.2016, leg. M. Halada; 4 ♂ ♂, Peloponnes, 20 km SW Korinthos, 37°50'N 23°02'E, 120m, 26.V.2016, leg. M. Halada; 3 ♂ ♂, Peloponnes-N, Skala, 10 km W Vrontamas, 36°58'N 22°37'E, 100m, 31.V.2016, leg. M. Halada; 2 ♂ ♂, SW Skiathos isl. Koukounaries env., 30.VI.-9.VII.2012, leg. Bulirsch; 2 ♂ ♂, 30 km E Larisa, 39°35'N 25°50'E, 770m, 8.VII.2014, leg. J. Halada; 1 ♂, Parga env., 29.-30.VI.2014, leg. J. Halada & Fabiánová; 1 ♀, Andros, 2 km SE Cavrión, 37°53'N 24°45'E, 5m, 15.V.1981, leg. E. & J. Hüttinger; 1 ♂, Kreta, 19 km E Pefkos, Mourmies, 150m, 35°01'N 25°35'E, 22.V.1981, leg. E. & J. Hüttinger; 1 ♂, Kreta, Lasithiebene, 750m, 35°10'N 25°30'E, 19.V.1981, leg. E. & J. Hüttinger.

- H u n g a r y : 3 ♀ ♀, 1 ♂, 50 km SE Budapest, Örkény, 5.-9.VIII.2004, leg. Ma. Halada; 1 ♀, 4 ♂ ♂, N Várpalota, 47°13'N 18°08'E, 220m, 8.VII.2016, leg. M. Halada; 1 ♀ 1 ♂, 5 km N Veszprém, 47°09'N 17°56'E, 260m, 4.VII.2016, leg. B. Halada.
- I r a n : 2 ♀ ♀, 8 ♂ ♂, Mazandaran province, 20 km S Amol, 30°14'N 52°22'E, 430m, 6.VI.2014, leg. J. Halada; 1 ♀, Gilan province, 5 km E Rudbar, 36°50'N 49°29'E, 400m, 8.VI.2014, leg. J. Halada; 1 ♀, 2 ♂ ♂, Golestan province, 70 km E Minudasht, 37.26°N 55.99°E, 1050m, 12.VII.2010, leg. Mi. Halada; 1 ♀, 1 ♂, Kerman province, 8 km N Bardsir, 2050m, 29.95°N 56.58°E, 6.VI.2010, leg. Mi. Halada; 1 ♂, Mazdaran province, 10 km S Chaloos, 380m, 36°51'N 51°33'E, 15.VI.2010, leg. Mi. Halada; 1 ♂, Gilan province, 15 Km SE Tutkaban, 1100m, 36°48'N 49°38'E, 9.VI.2014, leg. J. Halada; 1 ♂, Golestan province, 40 km Minudasht NP. 37°22'N 55°57'E, 750m, 1.VI.2014, leg. J. Halada.
- I r a q : 1 ♀, Bagdad, 10.-30.X.1989, leg. Soldán.
- I s r a e l : 1 ♀, Nahal Sha'alav, 2.6 km E Qetura, 29°58'01"N 35°05'26"E, 107m, 6.IV.2016, leg. Dorchin; 1 ♂, 6.4 km N Yahel, 30°08'41"N 35°07'33"E, 25.IV.2016, leg. Dorchin.
- I t a l y : 1 ♀, Südtirol, N Schländers, E St. Ägidius, Trockenwiesen, 900m, 46°37.04'N 10°45.50'E, 13.VII.2014, leg. Ebmer; 1 ♀, Portogruaro S. Paolo, 20.IX.2013, leg. Snižek; 1 ♀, Emilia Romagna, Spina (E env.), 7 km S Comacchio, 0-5m, 25.-31.VII.2001, leg. Riha; 1 ♀, 1 ♂, Lazinun Sperlonga, 10.-20.VI.1996, leg. Wolf; 1 ♀, 18 ♂ ♂, Sardinia, Sassari province, Torre del Porticchio camp, coastal vegetaion, 26.-28.V.2007, leg. Bňář; 1 ♀, Sardinia, Cagliari, 20.VII.1959, leg. Wolf; 5 ♀ ♀, 5 ♂ ♂, Sicilia, Taormina, Naxos, 7.-8.X.1970, leg. Max Schwarz; 1 ♀, 2 ♂ ♂, Sicilia, Taormina, Naxos, Strand, 5.V.1961, leg. Max Schwarz; 1 ♀, Sicilia, Peloritani, 10 km SW Parzellona, 100m, 38°06'N 15°07'E, 24.VI.1978, leg. ?; 1 ♀, Umbria province, Magione, 419m, 43°09'05"N 12°12'03"E, 3.VII.2016, leg. Černý; 2 ♂ ♂, Sicilia, Palermo, Campofelice d. R., 37°58.40'N 13°50.57'E, 13.-16.V.2014, leg. Tiefenthaler; 6 ♂ ♂, Sicilia, Taormina, Naxos, Strand, 14.-17.V.1961, leg. Max Schwarz; 1 ♂, Sicilia, Taormina, Sirinatal, 3.X.1970, leg. Max Schwarz; 1 ♂, Sicilia, Taormina, Sirinatal, 13.V.1961, leg. Max Schwarz; 1 ♂, Sicilia, 35 km SW Ragusa beach, 18.-22.VI.2002, leg. J. Halada; 1 ♂, Sardegna-W, 50 km W Nuoro, Orosei env., 27.V.2013, leg. J. Halada; 1 ♂, Sardegna-NW, 30 km W Sassari, 40°41'N 08°13'E, 50m, 19.V.2013, leg. J. Halada; 2 ♂ ♂, Citelli, 4.VII.1949, leg. Hamann; 2 ♂ ♂, Portici, VIII.1959, leg. Novicky; 3 ♂ ♂, Mte Manfre Sona, 19.VI.1949, leg. Hamann.
- J o r d a n : 5 ♀ ♀, Safi, 50 km N Karak, 15.IV.1996, leg. Mi. & Ma. Halada; 1 ♀, 1 ♂, Jordan valley, S Shuna, 25.-26.IV.1996, leg. Mi. Halada; 1 ♀, 30 km N Tafila, 2.V.1996, leg. Ma. Halada; 1 ♂, Albaneat, Ammun province, 14.V.1994, leg. ?.
- K y r g h y s t a n : 29 ♀ ♀, 57 ♂ ♂, Kirgizky Mts., Ala-Archa river, Kashka-Suu, 1650m, VII.2000, leg. Gurko; 7 ♀ ♀, 26 ♂ ♂, Kirgizky Mt. R., Ala-Archa river, Oru-Say, 1650m, VII.2000, leg. Gurko; 4 ♀ ♀, 5 ♂ ♂, Ferghan Mt. R., Toskool-Ata, 1500m, 29.VII.2000, leg. Gurko; 7 ♀ ♀, Kirghizky Mt. R., Uzun Bulag, Ala-Archa river, VII.2000, leg. Gurko; 1 ♀, Ferghanskyi Mts., Toskool-Ata, 1200m, 1.VIII.2001, leg. Gurko; 1 ♀, Kungei-Alatau, 2200m, 15.VII.2001, leg. Klynychko; 3 ♂ ♂, Zailiysky Alatau Mt.R., Ak Tjuz, VIII.2000, leg. Gurko; 1 ♂, Kirghizky Mt. R., Ala-Archa river valley, 1650m, 17.VII.2000, leg. Gurko; 1 ♂, Osh area, 25 km S Osh, Aravan, VI.2000, leg. Gurko; 1 ♂, Tchon-Aryk, foot hills, 2 km S Bishkek, 42°47'N 74°34'E, 27.VI.2000, leg. Zonstein; 1 ♂, Issyk-kul Distr. Issyk-kul, Boz-Bozmaq, S Balykschi, 42°24'41"N 76°09'43"E, 1620m MSL, 14.-15.VI.2008, leg. H. & R. Rausch.
- M o n t e n e g r o : 2 ♀ ♀, 3 ♂ ♂, Ulcinj env., 24.VIII.2015, leg. Deneš.
- M o r o c c o : 1 ♀, Tizi-N-Test, 19.VI.2000, leg. Brandl; 11 ♀ ♀, 5 ♂ ♂, 30 km E Taroudant, 27.IV.1995, leg. Mi. Halada; 2 ♀ ♀, Tamri, 70 km N Agadir, 8.V.1995, leg. Ma. Halada; 12 ♀ ♀, 19 ♂ ♂, 10 km E Guelmim, 15.-16.IV.1995, leg. Ma. Halada; 4 ♀ ♀, 14 ♂ ♂, 10 km E Guelmim, 5.V.1995, leg. Mi. Halada; 7 ♀ ♀, 13 ♂ ♂, 5 km S Zagora, 24.-25.IV.1995, leg. Ma. & Mi. Halada; 2 ♀ ♀, 8 ♂ ♂, 10 km N Mhamid, 21.-22.IV.1995, leg. Mi. Halada; 4 ♀ ♀, 3 ♂ ♂, 20 km W Boudnib, 9.IV.1995, leg. Ma. Halada; 4 ♀ ♀, 8 ♂ ♂, 20 km E Agdz, 20.IV.1995, leg. Mi. & Ma. Halada; 1 ♀, 5 km S Tata, 3.V.1995, leg. Ma. Halada; 1 ♀, 40 km S Guercif, 15.-17.V.1995, leg. Mi. Halada; 1 ♀, Bhalil, 10 km NW Sefrou, 28.V.1995, leg. Mi. Halada; 1 ♀, Tissa env., 8.V.1997, leg. Deneš; 2 ♀ ♀, Taroudant, 18.IV.1990, leg. M. Halada; 1 ♀, Rabat, 28.IV.1990, leg. M. Halada; 1 ♀, 2 ♂ ♂, Ifkern, 25 km E Boulemane, 24.-25.V.1995, leg. Mi. Halada; 1 ♀, 10 km N Mhamid, 21.-22.IV.1995, leg. Ma. Halada; 1 ♀, 1 ♂, Oulad Teima, 19.IV.1995, leg. Ma. Halada; 1 ♀, Rabat, 20

- km sev./P. 2/s2-et Taib-Bled, 17.V.1992, leg. Dendon; 1 ♀, 10 km W Tiznit, 6.V.1995, leg. Mi. Halada; 1 ♀, 40 km SW Guelmim, 13.IV.1995, leg. Ma. Halada; 1 ♀, 1 ♂, 20 km N Fom-Zguid, 29.-30.IV.1995, leg. Mi. Halada; 1 ♀, 1 ♂, 10 km N Erfoud, 10.IV.1995, leg. Mi. Halada; 1 ♀, 10 km N Rich, 23.V.1995, leg. Mi. Halada; 1 ♀, Taroudant, 11.V.2003, leg. M. Halada; 1 ♀, SE Guelmim, 9.V.2003, leg. M. Halada; 1 ♀, 1 ♂, Beni-Bassia, 60 km EN Boudnib, 21.V.1995, leg. Mi. Halada; 27 ♂♂, Aoulou env., 17.V.1997, leg. Deneš; 5 ♂♂, Agadir env., 18.V.1997, leg. Deneš; 19 ♂♂, Taroudannt, Aoulouz, 17.V.1997, leg. J. Halada & Mucka; 4 ♂♂, 10 km S Rich, 22.V.1995, leg. Ma. Halada; 7 ♂♂, 5 km N Agadir, 18.V.1997, leg. J. Halada; 1 ♂, 15 km N Martil Cobo Nagro, 20.V.1997, leg. J. Halada; 2 ♂♂, 22 SE Tazenakht, 12.V.2003, leg. Snížek; 2 ♂ m, Shifshavn env., 6.V.1997, leg. Deneš; 1 ♂, Tata, 21.IV.1990, leg. ?; 2 ♂♂, 30 km N Tafrant, 7.V.1997, leg. Ma. Halada; 2 ♂♂, Amouguer, 50 km W Rich, 23.V.1995, leg. Ma. Halada; 1 ♂, Asni, 26.IV.1990, leg. M. Halada; 1 ♂, Martil env., 20.V.1997, leg. Deneš; 1 ♂, Er Rachidia, 11.IV.1995, leg. Ma. Halada; 1 ♂, Marrakech, Oued Tensift, 23.V.1964, leg. Wins; 1 ♀, 1 ♂, Tizin-Test, 1900m, 29.VI.1987, leg. Max Schwarz; 1 ♀, 1 ♂, Oued Massa Tiznit, 8.V.2003, leg. M. Halada; 1 ♂, Quaouzagour, 30 km E Agzd, 30°41'N 6°08'W, 14.VI.1996, leg. Max Schwarz; 1 ♂, Anti Atlas, Iggherm, 1790m, 30°07'04"N 08°25'11"W, 16.III.2008, leg. Major.
- O m a n : 4 ♀♀, 11 ♂♂, Al Batinah province, Al Lajal, 170m, 23°30'N 57°56'E, 3.+18.IV.2013, leg. J. Halada; 1 ♀, 8 ♂♂, Al Batinah province, Wadi Arf env., 630m, 23°14'N 57°26'E, 4.IV.2013, leg. J. Halada; 1 ♀, 2 ♂ m, Dhofar province, Rakhuut, 16°45'N 53°24'E, 6.X.2013, leg. J. Halada.
- P a k i s t a n : 5 ♀♀, N-Balochistan, Ziarat, 30°26'N 66°42'E, 20-23.VII.1998, leg. Čížek & Černý.
- P o r t u g a l : 5 ♂♂, Zambujeira do Mar, Dunes Beach, 19.VII.2016, leg. J. Halada; 2 ♂♂, Cascais, 20.VII.1964, leg. Hamann; 1 ♂, Zézere-Rio, 28.VII.1967, leg. Hamann; 1 m, Manteignas, 26.VII.1967, leg. Hamann.
- R o m a n i a : 1 ♀, Dunarea delta, Chilia Veche, 3.VII.2012, leg. Wolf.
- S a u d i A r a b i a : 1 ♂, El Riyadh, 17.XI.1959, leg. Diehl.
- S l o v a k i a : 6 ♀♀, Starý vrch, NW Štúrovo, 47°49.107'N 18°38.659'E, 200m, 1.VIII.2013, leg. Řiha; 1 ♀, Chotín, 22.VI.1960, leg. Padr; 1 ♀, Chotín, 9.VIII.1961, leg. Padr; 2 ♀♀, Štúrovo, 28.VII.1959, leg. Padr; 1 ♀, Královský Chlmec, 14.-15.VII.1992, leg. Průdek.
- S p a i n : 1 ♀, Mallorca, Alcúdia, VIII.1999, leg. ?; 1 ♀, Costa Brava, 15 km SE Figueres, 42°11'N 3°07'E, ~5m, 27.-30.VII.2011, leg. J. Halada; 2 ♂♂, Granada, Ventas del Molinello, 20.VI.1987, leg. Max Schwarz; 2 ♂♂, Almería, Bayarcal, 24.VI.1988, leg. Max Schwarz; 2 ♂♂, Mallorca, Cara Millor, 13.-29.V.1986, leg. Fuss; 1 ♂, Puigcerda, 14.VII.1963, leg. Hamann; 1 ♂, Pyrenäen, Jaca, 31.VII.1963, leg. Hamann; 1 ♀, Kanaren, Insel La Gomera, Playa de Santiago, 5m, 23.XI.2009, leg. R. & W. Zarre; 1 ♀, 2 ♂♂, Kanaren, Insel Teneriffa, Bermejo, 100-400m, 28.XI.2007, leg. R. & W. Zarre; 1 ♂, Kanaren, Insel La Gomera, 500-400m, Arguayoda/Playa de Rajita, 2.XII.2010, R. & W. Zarre; 1 ♂, Madrid, Bot. Garten, VIII.1952, leg. Hamann.
- S u d a n : 2 ♀♀, 1 ♂, Kartoum, leg.?
- S w i t z e r l a n d : 2 ♂♂, Sierre, 13.VI.1959, leg. H. Priesner.
- S y r i a : 1 ♀, Faouar, UN-Camp, 960m, 35°55'N 33°13'E, 14.VII.2001, leg. Plass; 2 ♂♂, ar-Raqqa, ar-Rasafa env., 5.VI.2000, leg. Deneš.
- T a j i k i s t a n : 1 ♂, W Pamir Mt., 30 km N Rushan, 3500m, VIII.1999, leg. Gurko.
- T u n i s i a : 4 ♀♀, 2 ♂♂, Hammamet, 5.-19.V.1998, leg. Hradecký; 1 ♀, Monastir, 28.-30.V.1999, leg. Kafka; 1 ♀, Sousse env., 23.V.2001, leg. Snížek; 3 ♂♂, Tabarka, 10.-16.VII.1997, leg. Werner; 4 ♂♂, Nefta, 8.-9.IV.1998, leg. Deneš; 1 ♂, M'saken, 20.-21.IV.1998, leg. Deneš; 1 ♂, 10 km SW Lekev, 15.IV.2001, leg. M. Halada; 1 ♂, Gafsa, 5.IV.2001, leg. M. Halada; 1 ♂, Tunis, 11.XI.1971, leg. Zouhar; 1 ♂, 3 km S El Mahassen, 10 km NE Lekef, 500m, 3.X.1995, leg. Schulz & Vock; 1 ♀, Tozeur, 33°55'N 8°08'E, 10.V.1992, leg. Max Schwarz; 1 ♀ 1 ♂, Oasa Gafsa, 5.III.1977, ex coll. Max Schwarz; 1 ♂, Gasvsa, 19.V.2008, leg. Šarovec; 5 ♂♂, Nefta, 14.+15.IV.1981, leg. Max Schwarz.
- T u r k e y : 4 ♀♀, Muradye, 2.+3.VII.2000, leg. M. Halada; 2 ♀♀, 1 ♂, Akyaka, 37°03'N 28°20'E, 3m, IX.2012, leg. Barták; 1 ♀, Isparta, 8 km NE Isparta, 37°52'N 30°40'E, 1020m, 9.VII.2006, leg. Kadlecová; 2 ♀♀, 3 ♂♂, Manisia, 15 km SSE Salihli, 38°26'N 28°19'E, 170m, 2.VII.2006, leg. M. Halada; 1 ♀ 1 ♂, Erzincan, Erzincan 55 km W, 1600m, 13.VII.1985, leg. Max Schwarz; 1 ♀, Mut,

13.VI.1965, leg. Max Schwarz; 1 ♀, Anatolien, Denizli, Hierapolis, 37.56°N 29.08°E, 400-450m, 15.VII.1987, leg. E. & J. Hüttinger; 1 ♀, Silifke, 2.V.1962, leg. Ressler; 2 ♀ ♀, 1 ♂, Mugla, Univ. Campus MT, 720m, 39°04'42"N 28°22'13"E, 17.IX.2015, leg. Kavak; 1 ♀, 2 ♂ ♂, Dalyan farm, Malaisetrapp, 1m, 36°48'54"N 28°39'04"E, 8.-20.VIII.2015, leg. Dursun; 1 ♀, Mugla, Univ. Campus MT, 720m, 39°09'42"N 28°22'13"E, 19.VIII.2015, leg. Kavak; 2 ♂ ♂, Burdur, 20 km SW Burdue, 37°37'N 30°09'E, 940m, 7.VII.2006, leg. M. Halada; 2 ♂ ♂, Vil. Bursa, Caglian env., 14.VII.1997, leg. Riha; 1 ♂, Vil. Bursa, Caglian env., 10.-14.VII.1997, leg. Prudek & Riha; 1 ♂, Manisia, 30 km SEE Salihli, 38°22'N 28°25'E, 430m, 29.VI.2006, leg. M. Halada; 2 ♂ ♂, Hakkai province, Akcali, 35 km S Hakkari, 37°71'N, 44°03'E, 1700m, 21.VI.2010, leg. M. Halada; 3 ♂ ♂, Abana, 7.VIII.1987, leg. Link; 3 ♂ ♂, Kars, Karakurt 20 km W, 1600m, 4.VII.1985, leg. Max Schwarz; 1 ♂, Mut, 11.VI.1965, leg. Max Schwarz; 2 ♂ ♂, 8 km S Cine, river bank, 37°33'N 28°04'E, 68m, leg. Barták Kubik; 1 ♂, Aky Aka, Saltymeadow, 37°03'N 28°19'E, 28.IV.2013, leg. Barták; 1 ♂, Topallar, 19.V.2009, leg. Barták; 1 ♂, Gevas, Van Gölü, 2.VII.2000, leg. M. Halada; 1 ♂, 60 km SW Malatya, Erkenek, 1300m, 26.VI.2000, leg. M. Halada; 1 ♂, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 270m, 5.VII.2006, leg. J. Halada; 1 ♂, Mugla province, Göktepe env., 29.VII.-3.VIII.2000, leg. Prudek; 1 ♂, 45 km N Adana, 37°23'N 35°12'E, 330m, 24.VI.2001, leg. Straka; 2 ♂ ♂, Asia Minor, Nazili Kusadasi, 10.VI.1964, leg. Hamada; 1 ♂, W Anatolien, Davutlar S Kusadasi, 37°44'N 27°13'E, 0m, 5.VI.1984, leg. Vogtenhuber; 1 ♂, Ioel, Sertavul, 1400m, 10.VI.1978, leg. Max Schwarz; 1 ♂, Anatolien, NW Izmir, 2 km E Foca, 38°38'N 26°45'E, 150 m, 18.V.1983, leg. Hüttinger; 1m, Province Van, Van Gölü, E Ercis, 1720m, 9.VIII.1982, leg. Schacht.

U k r a i n e : 1 ♂, Čerassi, Čigirir env., 16.VI.2016, leg. Snižek; 1 ♂, Crimea, Simferopol, Anatra, VII.2000, leg. Gurko.

Y e m e n : 11 ♀ ♀, 25 ♂ ♂, Sana, University Campus, 2300m, 3.XI.2005, leg. J. Halada; 1 ♀, 3 ♂ ♂, Harf NE Albhaydah, 200-730m, 16°40'N 53°05'E, 14.X.2005, leg. J. Halada; 1 ♂, Wadi Dawar, NW Mukalla, 950m, 15°09'N 48°26'E, 20.X.2005, leg. J. Halada; 1 ♂, Wadi Sudd, 10 km W Marib, 1120m, 15°24'N 45°16'E, 8.X.2005, leg. J. Halada; 1 ♂, San'a gov., Bab Bahel, 1200m, 15°07.0'N 43°40.9'E, 4.IX.2010, leg. Batelka.

### ***Philanthus variegatus* SPINOLA, 1839 (22 ♀ ♀, 26 ♂ ♂)**

A l g e r i a : 1 ♀, 2 ♂ ♂, Biskra, 12.VI.1953, leg. Roth; 2 ♂ ♂, Biskra, 28.V.1948, leg. Naef.

I r a n : 2 ♀ ♀, 5 ♂ ♂, Golestan province, 70 km E Minudasht, 37.36°N 55.99°E, 1050m, 12.VI.2010, leg. M. Halada; 1 ♂, Kashan, dunes, 25.V.1976, leg. Holzschuh & Ressler.

K a z a k h s t a n : 1 ♂, Džambul env. (115 km), Akkol (polopoušt), 1.VI.1980, leg. Padr.

K y r g h y z s t a n : 5 ♂ ♂, Jalal-Abad District, Ala-Bu Umgebung Kara-Unkur u. Sovet-Sai, 41°13'48"N 71°23'39"E, 980-1100m, MSL, 28.-30.V.2008 leg. H. & R. Rausch & E. Hüttinger; 1 ♂, Batken District, Batken, 5 km N Sogment, 39°56'9"N 71°1'54"E, 1650-1700m, 7.-8.VI.2010, leg. E. & J. Hüttinger; 4 ♂ ♂, Tshatkal Mt. R. Shikaftar, VII.2001, leg. Gurko; 1 ♀, 1 ♂, Burgandi, 60 km W Jalabad, 14.VI.1995, leg. J. Halada; ♂, Fergansky Mt. R., E-Urumbash river, VI.2000, leg. Gurko; 1 ♂, Fergansky Mt. R., Toskool-Ata, Pistacea forest, VIII.2000, leg. Gurko.

M a l i : 2 ♀ ♀, 10 km S Mopti, 8.VIII.1981, leg. Max Schwarz; 1 ♀, 10 km S Mopti, 7.VIII.1981, leg. Max Schwarz; 1 ♀, 130 km NE Mopti, 19.VIII.1991, leg. Max Schwarz; 1 ♀, 1 ♂, 10 km S Mopti, 20.VIII.1991, leg. Max Schwarz.

M o r o c c o : 6 ♀ ♀, Quaouzagour, 30 km E Agdz, 6°08'W 30°41'N, 14.+15.IV.1996, leg. J. Gusenleitner & M. Schwarz; 1 ♂, Mittlerer Atlas, 25.VI.2005, leg. Pühringer.

S y r i a : 1 ♀, 50 km SE Suwayda Anata, 20.-21.V.1996, leg. Ma. Halada.

T u n i s i a : 1 ♀, Sened Gare, 22.V.2008, leg. Houška; 1 ♀, Gafsa, 19.V.2008, leg. Šarovec.

T u r k e y : 4 ♀ ♀, Siirt, Siirt 10 km S, 23.-24.VI.1985, leg. Max Schwarz.

T u r k m e n i s t a n : 1 ♂, Nebit-Dag, 25 km NW Jebel, 22.V.1993, leg. M. Halada.

### ***Philanthus variolosus* ARNOLD, 1932 (4 ♀ ♀, 7 ♂ ♂)**

E t h i o p i a : 1 ♂, Sidamo province, ~50 km NE Mega, 1420m, 24.IV.2007, leg. J. Halada; 1 ♂,

Wachile env., 04°32'N 39°03'E, 1070m, 30.-31.V.2015, leg. J. Halada.

K e n y a : 2 ♀ ♀, 3 ♂ ♂, Voi (Tsavo) env., 22.XI.-2.XII.1996, leg. Mi. Halada; 2 ♀ ♀, 2 ♂ ♂, Voi (Tsavo) env., 8.-18.XI.1996, leg. Mi. Halada.

N o t e : The hitherto unknown male of *Philanthus variolosus* differs from the female only in having the sterna III-V with fringes of erect setae apically. The male of *P. variolosus* is similar to *P. rubidus* but differs distinctly in having the terga I-V shining and very coarsely and deeply but not closely punctate; the punctures are nearly as large as the hindocelli. Additionally, the tergum I is distinctly narrowed apically and the sterna III-V have fringes of erect setae (The male of *P. rubidus* has the terga I-V dull, microscopically rugulose and the sterna III-V have no regular fringes of erect setae and additionally, the tergum I is only slightly narrowed apically).

### ***Philanthus ventillabris* FABRICIUS, 1798 (1 ♂)**

U . S . A . : 1 ♂, Florida, Tallahassee, Leon Co. 1.-10.X.1978, leg. Soldán.

### ***Philanthus venustus* (ROSSI, 1790) (164 ♀ ♀, 329 ♂ ♂)**

A u s t r i a : 2 ♀ ♀, 2 ♂ ♂, Niederösterreich, Oberweiden, 27.VI.1931, leg. Kloiber; 1 ♂, Niederösterreich, Oberweiden, 5.VII.1938, leg. Kloiber.

B u l g a r i a : 19 ♀ ♀, 3 ♂ ♂, Lozenec, 42°13'N, 27°47'E, 15m, 16.VI.2008, leg. M. & Z. Halada; 5 ♀ ♀, 8 ♂ ♂, Zlate, 1965, leg. Hrubant; 3 ♀ ♀, 1 ♂, Slnčev Brjag, 3.+4.VIII.1968, leg. Kocourek; 1 ♀, Galata, 21.VIII.1970, leg. Kocourek; 1 ♀, Albena, 24.VII.1974, leg. Poláček; 1 ♀, 1 ♂, Sozopol, 15.VII.1969, leg. Karas; 1 ♀, Arkutino, VII.1968, leg. Görtler; 1 ♀, 2 ♂ ♂, Sozopol, 8.-22.VII.1981, leg. Poláček; 1 ♀, Sandanski, 24.VI.1978, leg. Pádr; 1 ♀, 18 ♂ ♂, Slnčev Briag, 1965-1978, leg. Pádr; 16 ♂ ♂, Slnčev Brjag, 1964-1968, leg. Kocourek; 1 ♂, Sinemorec (Ahtopol), 22.VI.1998, leg. Ma. Halada; 1 ♂, Locenec (Carevo), 23.VI.1998, leg. Ma. Halada; 1 ♂, Pobitite kamáni, 19.VII.1976, leg. Tkalců; 1 ♂, Primorsko, VII.1979, leg. Hoffer; 1 ♂, Mičurin, VII.1977, leg. ?; 1 ♂, Primorko, VII.1965, leg. Pádr; 1 ♂, Arkutino, VII.1968, leg. Görtler; 1 ♂, Repotamo, VII.1969, leg. Görtler; 1 ♂, Albena, 12.VII.1976, leg. Poláček; 2 ♂ ♂, Zlate pirky, 1965, leg. Hrubant; 1 ♂, Sozopol, 23.VII.1963, leg. Nidl.

C z e c h R e p u b l i c : 1 ♀, Moravia, Bzenec 24.VII.1930, leg. Zavadil; 1 ♀, Moravia, Bzenec 13.VII.1931, leg. Zavadil; 2 ♀ ♀, 2 ♂ ♂, Bzenec, 24.VII.1954, leg. Kocourek; 1 ♀, Moravia, Pisek, 13.VII.1932, leg. Zavadil.

C r o a t i a : 1 ♂, Dalmatia, Biograd, 1.VII.1966, leg. Hoffer.

F r a n c e : 1 ♀, Il Leucata, 8.VIII.1987, leg. Bitsch; 1 ♂, 667 Argelès, 1.-4.VII.1980, leg. Wolf; 1 ♂, Languedoc dunes, 10 km S Montpellier, 43°32'N 3°58'E, ~5m, 4.VIII.2011, leg. J. Halada; 1 ♂, Cabanes de Fleury, Narbonne, 11.VII.1970, leg. Aigner.

G r e e c e : 4 ♀ ♀, 44 ♂ ♂, Peloponnese-S, 6 km SE Skala, 36°48'N 22°45'E, 1m, 1.VI.2016, leg. M. Halada; 4 ♀ ♀, 1 ♂, Korfu, Roda, 20.VI.1998, leg. Bones; 2 ♀ ♀, Trikala province, AU 12 km W Kalambaka, 13.-14.VI.1988, leg. Tiefenthaler; 1 ♀, Insel Kos, Kos-Stadt-Pzalidi, 36°36'N 27°19'E, 28.-31.VIII.2008, leg. Tiefenthaler; 1 ♀, Peloponnes, Alt-Korinth, 30.V.1963, leg. Max Schwarz; 1 ♀, 1 ♂, Peloponnes, Korinth, 22.V.1962, leg. Max Schwarz; 1 ♀, 1 ♂, Kykladen, Insel Mykonos, 8.VI.1962, leg. Max Schwarz; 2 ♂ ♂, Isle Kos, Marmari, 27.IX.2001, leg. Martin Schwarz; 2 ♂ ♂, Rhodos, Faliraki, 2.-20.V.1989, leg. Klimesch; 2 ♂ ♂, Peloponnes-W, Iria SE Nafplio, 37°30'N 22°59'E, 2m, 28.V.2016, leg. M. Halada; 1 ♂, Peloponnes, 20 km E Sparta, AG. Anagiri, 5.VII.1996, leg. Ma. Halada; 1 ♂, Sithonia, Sikia, 23.VIII.1978, leg. Warnke; 1 ♂, Polichrono, 5.VI.1999, leg. Karas; 1 ♂, NE Korfu, Kassiope env., 14.-16.VII.2016, leg. Bulirsch; 8 ♂ ♂, Peloponnes, Lahonia, Palea Monemvasia, beach, 36°43.7'N 23°01.6'E, 8.V.2016, leg. Zettel.

- H u n g a r y : 1♂, 10 km NE Örkény, 47°04'N 19°28'E, 130m, 8.VI.2015, leg. M. Halada; 3♀, 2♂, 50 km SE Budapest Örkény, 5.-9.VIII.2004, leg. Ma. Halada; 1♀, 15 km S Örkény, 47°04'N 19°28'E, 130m, 27.VI.2015, leg. Haladová.
- I r a n : 4♀, Kerman province, 20 km E Ghobira, 1780m, 30°10'N 56°59'E, 5.VI.2010, leg. Mi. Halada; 1♂, Acer. e Sh. prov. Sis, 10 km E Shabestar, 38°26'N 45°56'E, 1540m, 19.VI.2010, leg. Mi. Halada.
- I t a l y : 4♀, 1♂, Sicilia, Taormina, Naxos, Strand, 14.+17.V.1961, leg. Max Schwarz; 1♀, 1♂, Sicilia, Taormina, Naxos, Strand, 5.+6.V.1961, leg. Max Schwarz; 2♀, 4♂, Cagliari, 7.-12.VII.1959, leg. Wolf; 1♀, Cagliari, 23.VII.1959, leg. Wolf; 1♀, 2♂, Bibione/Adria, 3.-15.VIII.1996, leg. Wolf; 1♀, 10♂, Calabria, 15 km S Lokri, 1.-2.VIII.1999, leg. J. Halada; 2♂, Sardegna-W, 50 km E Nuoro, Orosei env., 27.V.2013, leg. J. Halada; 5♂, NW Sardinia, Sassari province, Torre del Porticchio camp coastal vegetation, 26.-28.V.2007, leg. Baňář; 1♂, Catania, Plaia, 27.VI.1949, leg. Hamann; 1♂, Sicilia, 35 km SW Ragusa beach, 18.-22.VI.2002, leg. J. Halada; 1♂, Sicilia, Madonia, Collesano env., 1-600m, 3.-5.VI.2002, leg. J. Halada; 12♂, Sicilia, 35 km N Gela, NE Piazza, Annenna, 27.-29.V.2002, leg. J. Halada; 3♂, Bibione, 10.VI.1996, leg. Deneš; 1♂, Sicilia, Taormina 10 km NW, 200m, 23.VI.2012, leg. J. Halada; 1♀, 1♂, Sardegna, Torre Porticciolo, N Alghero, 23.VI.1996, leg. Hofstätter.
- K a z a k h s t a n : 4♀, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1995, leg. Mučka; 1♀, 2♂, Almaty province, Lepsi env., 400m, 46°13'27"N 78°59'27"E, 2.VI.2016, leg. J. Halada.
- M o n t e n e g r o : 2♀, Crna Gora-Ulcinj, 15.-20.VII.1967, leg. Padr; 1♀, 2♂, Budva, VI.1971, leg.?, 2♂, Ulcinj-Velika plaza, 2.IX.2014, leg. J. Halada; 1♂, Ulcinj env., 24.VIII.2015, leg. Deneš; 1♂, Crna-Gora-Ulcinj, 15.-20.VII.1967, leg. Padr; 1♀, Czerna Gora, Ulcinj, 41°52.4'N 19°21.1'E, 27.V.2005, leg. M. & Z. Halada;
- S l o v a k i a : 2♀, 1♂, Chotin, 22.VII.1962, leg. Padr; 5♀, 6♂, unreadable, leg. Kocourek; 2♀, 3♂, Somotor, VII.1962, leg. Kocourek; 1♀, Chotin, 4.VIII.1959, leg. Padr; 1♀, Čenkov, 17.VII.1953, leg. Kocourek; 2♂, Cbalca, 7.VII.1963, leg. Padr; 11♂, Chotin, 1962-1964, leg. Kocourek; 4♂, Čenkov, 19.VII.1959+14.VIII.1965, leg. Kocourek; 3♂, Chotin, 4.VIII.1959, leg. Padr; 1♂, Kamenice, n/Hr, 8.V.1962, leg. Padr; 5♂, Gbelce, VI.1973, leg. Kocourek.
- S p a i n : 45♀, 25♂, Costa Brava, 15 km SE Figueres, 42°11'N 3°07'E, ~5m, 27.-30.VII.2011, leg. Halada; 8♂, Costa Brava, 15 km SE Figueres, 42°11'N 3°07'E, ~5m, 28.VII.2011, leg. J. Halada; 1♂, Iberia sept. or. N Tarragona, 23.VII.-12.VIII.1965, leg. Weiffenbach.
- S y r i a : 1♀, Jisr ash Shungur, 10.-11.V.1996, leg. Ma. Halada; 1♀, Raqqa Rasafah, 16.-17.VI.1998, leg. Hradský.
- T u r k e y : 2♀, Konya, 15.VI.1965, leg. Max Schwarz; 1♀, Agri Dogubayazit 10 km N, 3.VII.1985, leg. Max Schwarz; 13♀, 19♂, Burdur, 20 km SW Burdur, 37°37'N 30°09'E, 940m, 7.VII.2006, leg. M. Halada & Kadlecova; 2♀, Manisia, 15 km SSE Salihli, 38°26'N 28°19'E, 170m, 2.VII.2006, leg. M. Halada; 1♀, 9♂, 20 km W Van, 5.VII.1997, leg. Ma. Halada; 1♀, Canakkale, 6 km N Ezine, 39°51'N 26°19'E, 35m, 27.VI.2006, leg. J. Halada; 1♀, Kütahya, 20 km NEE Kütahya, 13.VII.2006, leg. M. Halada; 1♀, Eksiler (Silifke), 27.V.1998, leg. Ma. Halada; 1♀, 1♂, 30 km E Malatya Kale, 27.VI.2000, leg. M. Halada; 1♀, Denizli, 10 km NE Denizli, 37°56'N 29°07'E, 290m, 4.VII.2006, leg. J. Halada; 1♀, 1♂, Antalya, E Side, dunes, 6.X.2011, leg. J. Halada; 1♀, Izmir, Dikili env., 19.VI.1998, leg. J. Halada; 1♂, Gevas, Van Gölü, 2.VII.2000, leg. M. Halada; 5♂, Izmir env., 20.VI.1998, leg. J. Halada; 2♂, Hakkari province, Akcali, 35 km S Hakkari, 37°71'N(?) 44°03'E, 1700m, 21.VI.2010, leg. Mi. Halada; 4♂, Camardi (Nigde), 13.VII.1997, leg. Ma. Halada; 1♂, Mut, 6.VI.1966, leg. Kudas; 1♂, 25 km E Malatya, Kopeksiz, 8.VII.1997, leg. Ma. Halada; 1♂, Konya, 8 km geg. Sille, 15.VII.1972, leg. J. Schmidt; 1♂, Mut, 11.VI.1965, leg. Max Schwarz; 1♂, 20 km W Mut, 14.VI.2000, leg. M. Halada; 1♂, Osmaniye, 14.VI.1997, leg. Ma. Halada; 1♂, Karasu, 2.VIII.1987, leg. Link; 1♂, Nemrut Dağı, Karadut, 2.VII.1993, leg. Deneš; 3♂, Urfa, Halfeti, 29.V.1978, leg. Max Schwarz; 1♀, 2♂, Birecik, 27.V.1978, leg. Max Schwarz; 1♀, 1♂, Edremit Ören, 39°53'N 27°02'E, leg. Dollfuss; 1♂, Anatolien, 10 km S Kusadasi, W Davutlar, 37°43'N 27°16'E, 0m, 5.VI.1984, leg. E. Hüttinger.

***Philanthus zebratus* CRESSON, 1880 (1 ♂)**

U . S . A . : 1 ♂, Colorado, Alamosa, Alamosa Co., 2400m, 26.VII.1978, leg. Deschka.

The following specimens of *Philanthus* could not be named: Central African Republic (3 ♂ ♂), Ethiopia (1 ♂), Malawi (1 ♂), South Africa (1 ♀, 3 ♂ ♂), U S A (6 ♀ ♀), Zambia (1 ♂), Zimbabwe (3 ♂ ♂).

**Genus *Trachypus* KLUG, 1810 (42 ♀ ♀, 78 ♂ ♂)*****Trachypus annulatus* SPINOLA, 1851 (1 ♀)**

P a r a g u a y : 1 ♀, Caaguazu province, 15 km SE J.R.Chavez, 14.-15.II.2008, leg. J. Halada.

***Trachypus caenosus* RUBIO-ESPINA, 1975 (3 ♀ ♀, 16 ♂ ♂)**

A r g e n t i n i a : 5 ♂ ♂, Gran Chaco, 20 km S Macapillo, 300m, 25°33'S 63°55'W, 23.I.2009, leg. Ma. Halada.

E c u a d o r : 3 ♀ ♀, 4 ♂ ♂, NW Gualaguiza, 03°24'S 78°38'W, 800m, 10.I.2011, leg. M. Halada; 3 ♂ ♂, Napo province, 70 km SW Loreto, 300m, 4.-10.III.2002, leg. Ma. Halada; 4 ♂ ♂, Napo province, 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada.

***Trachypus elongatus* (FABRICIUS, 1804) (2 ♀ ♀, 5 ♂ ♂)**

E c u a d o r : 2 ♀ ♀, 1 ♂, Napo province, 8 km S Tena, Puerto Napo, 400m, 16.-22.II.2002, leg. Ma. Halada; 3 ♂ ♂, Napo province, 70 km SW Coca, Loreto, 300m, 4.-10.III.2002, leg. Ma. Halada; 1 ♂, 35 km S Puyo, 01°38'S 77°57'W, 800m, 25.I.2011, leg. M. Halada.

***Trachypus minutus* RUBIO-ESPINA, 1975 (6 ♀ ♀, 5 ♂ ♂)**

A r g e n t i n i a : 6 ♀ ♀, 5 ♂ ♂, W Catamarca, N Chumbicha, ruta 60, 28°48'S 66°23'W, 1000, 7.II.2010, leg. M. Halada.

***Trachypus patagonensis* (de SAUSSURE, 1854) (1 ♂)**

A r g e n t i n i a : 1 ♂, N Cordoba, N Ascochinga, 30°57'S 64°20'W, 1100m, 8.I.2012, leg. M. Halada.

***Trachypus petiolatus* (SPINOLA, 1842) (21 ♀ ♀, 29 ♂ ♂)**

A r g e n t i n i a : 4 ♀ ♀, SE Salta, E Coronel Moldes, 25°07'S 65°09'W, 800m, 12.II.2010, leg. M. Halada; 2 ♀ ♀, 2 ♂ ♂, ruta 40, 10 km N Belen, 1300m, 27°35'S 67°00'W, 8.II.2010, leg. M. Halada; 3 ♀ ♀, 3 ♂ ♂, ruta 40, 10 km W Belen, 1000m, 27°44'S 67°10'W, 8.II.2010, leg. M. Halada; 4 ♀ ♀, 1 ♂, S Corrientes, 50m, 27°33'S 58°45'W, 17.+18.I.2009, leg. Ma. Halada; 1 ♀, N Belen, 1300m, ruta 40, Andes, 7.II.2010, leg. Snižek; 1 ♂, Belen, S San Fernando, 2000m, 13.I.2010, leg. Snižek; 1 ♂, Catamarca, Tinogastra, II.1963, leg. Walz; 1 ♂, Grand Chaco, 20 km S Macapillo, 300m, 25°33'S 63°55'W, 23.I.2009, leg. Ma. Halada; 1 ♂, Salta province, 50 km SE Salta, 800m, 25°07'S 65°09'W, 24.I.2009, leg. Ma. Halada; 1 ♂, Grand Chaco, NE Pampa del Infierno, 26°19'S 61°04'W, 120m, 20.I.2009, leg. M. Halada; 1 ♂, S Parana, 32°51'S 59°52'W, 50m, 14.I.2009, leg. Ma. Halada.

E c u a d o r : 1 ♀, 1 ♂, E Pasaje, 1500m, 03°23'S 79°024'W, 17.I.2011, leg. M. Halada.

G u a n e F r a n c e : 1 ♀, 1 ♂, Cayenne, W Larivot, 8.XII.2006, leg. Snižek; 3 ♂ ♂, 20 km E Sinnamary, 15.I.2007, leg. Snižek; 2 ♂ ♂, Kourou, Guatemala env., 15.XII.2006, leg. Snižek.

P a r a g u a y : 2 ♀ ♀, 1 ♂, Caaguazu province, 25 km SE J.R.Chavez, 16.-17.II.2008, leg. Kadlecová & J. Halada; ♀ ♀, Canideyu province, 30 km SW S.I.Curaty, 12.-13.II.2008, leg. J. Halada; 1 ♂, Paraguari province, 20 km W La Colmena, 19.-20.II.?, leg. Kadlecová.



***Trachypus spegazzinii* BRÈTHES, 1910 (8♀ ♀, 19♂ ♂)**

**A r g e n t i n i a** : 7♀ ♀, 4♂ ♂, Salta province, 50 km Cachi, 2700m, 24°50'S 66°09'W, 26.I.2009, leg. Ma. Halada; 4♂ ♂, Gran Chaco, 20 km S Macapillo, 300m, 25°33'S 63°55'W, 23.I.2009, leg. Ma. Halada; 7♂ ♂, W Catamarca, N Chumbicha, ruta 60, 28°48'S 66°23'W, 1000m, 7.II.2010, leg. M. Halada; 1♂, Belen, San Fernando, 2000m, 13.I.2010, leg. Snižek; 1♂, S Cafayet, ruta 40, 26°32'S 66°01'W, 1800m, 13.I.2012, leg. M. Halada; 1♂, ruta 40, 50 km N Cachi, 2700m, 24°50'S 66°09'W, 19.II.2010, leg. M. Halada; 1♂, W Catamarca, N Cumbicha, ruta 60, 100m, 7.II.2010, leg. Snižek; 1♀, Salta province, W El Carril. 1500m, 25°09'S 65°36'W, 18.I.2012, leg. M. Halada.

***Trachypus varius* (TASCHENBERG, 1875) (1♂)**

**A r g e n t i n i a** : 1♂, N Parana, 50m, 31°14'S 59°59'W, 15.I.2009, leg. Ma. Halada.

The following specimens of *Trachypus* could not be named: Argentina (1♂), Paraguay (1♀, 1♂)

**Tribe *Pseudoscolini* MENKE, 1967****Genus *Pseudoscolia* RADOSZKOWSKI, 1876 (790♀ ♀, 678♂ ♂)*****Pseudoscolia aequatoriana* PRENTICE & PULAWSKI, 2004 (1♀)**

**E t h i o p i a** : 1♀, Wachile env., 1070m, 04°32'N 39°03'E, 30.-31.V.2015, leg. J. Halada.

***Pseudoscolia berlandi* (de BEAUMONT, 1949) (68♀ ♀, 131♂ ♂)**

**A l g e r i a** : 1♂, Biskra, 27.V.1948, leg. Naef.

**M o r o c c o** : 17♀ ♀, 84♂ ♂, 20 km N Foug-Zguid, 29.-30.IV.1995, leg. Ma. & Mi. Halada; 18♀ ♀, 5♂ ♂, 20 km E Agdz, 20.IV.1995, leg. Ma. & Mi. Halada; 1♀, 1♂, Tagounite, 60 km S Zagora, 23.IV.1995, leg. Mi. Halada; 1♀, Tamegroute, 20 km SE Zagora, 5°40'W 30°06'N, 13.IV.1996, leg. J. Gusenleitner; 15♀ ♀, 29♂ ♂, 5 km S Tata, 3.V.1995, leg. Ma. & Mi. Halada; 5♀ ♀, 8♂ ♂, 10 km N Mhamid, 21.-22.IV.1995, leg. Ma. & Mi. Halada; 1♀, 1♂, 10 km S Bouarfa, 20.V.1995, leg. Ma. Halada; 5♀ ♀, 4♂ ♂, 5 km S Zagora, 24.-25.IV.1995, leg. Ma. & Mi. Halada.

**T u n i s i a** : 3♀ ♀, 5♂ ♂, Tozeur, 7.IV.2001, leg. M. Halada; 1♀, 1♂, Marmata, 17.IV.1981, leg. J. Schmidt, det. Pulawski; 1♀, 1♂, Tataouine, 11.IV.2001, leg. M. Halada; 1♂, 50 km Tataouine, 32°27'N 10°16'W, 5.V.1992, leg. Max Schwarz.

***Pseudoscolia clavata* KAZENAS, 1994 (1♀)**

**T u r k m e n i s t a n** : 1♀, Kugit-Angtau mount Koiten, 8.VIII.1993, leg. Deneš.

***Pseudoscolia dewitzi* (KOHL, 1989) (53♀ ♀, 103♂ ♂)**

**A l g e r i a** : 2♀ ♀, Biskra, 26.V.1948, leg. Naef.

**E g y p t** : 1♀, Kom Oshim, Rég. de Faioum, 13.V.1958, leg. et det. Pulawski; 2♂ ♂, Kom Ombo, 16.-18.II.1958, leg. et det. Pulawski; 1♂, Kom Oshim, Rég. de Faioum, 4.V.1958, leg. et det. Pulawski; 1♂, Kom Oshim, Rég. de Faioum, 28.IV.1958, leg. et det. Pulawski.

**J o r d a n** : 4♀ ♀, 1♂, Vadi Rum env., 4.-5.V.1996, leg. Mi. & Ma. Halada; 1♀, Safi, 50 km Karak, 15.IV.1996, leg. Mi. Halada; 1♀, Jordan Valley, S Shuna, 25.-26.IV.1996, leg. Ma. Halada.

**M o r o c c o** : 1♀, 10 km S Bouarfa, 20.V.1995, leg. Ma. Halada; 5♀ ♀, 1♂, 20 km E Agdz, 20.V.1995, leg. Ma. & Mi. Halada; 4♀ ♀, 14♂ ♂, 20 km N Foug-Zguid, 29.-30.IV.1995, leg. Mi. Halada; 1♀, 1♂, SE Guelmim, 9.V.2003, leg. M. Halada; 1♀, 5 km S Tata, 3.V.1995, leg. Ma. Halada; 9♀ ♀, 24♂ ♂, 10 km N Mhamid, 21.-22.IV.1995, leg. Ma. & Mi. Halada; 1♀, 10 km S Zagora, Mhamid, 16.V.1997, leg. J. Halada; 1♀, 2♂ ♂, Mhamid env., 16.V.1997, leg. Deneš; 1♀,

2♂♂, Foum Zguid 30 km N, 30.III.1926, leg. Max Schwarz; 6♀♀, 21♂♂, 5 km S Zagora, 24.-25.IV.1995, leg. Ma. Halada; 4♀♀, 21♂♂, Tagounite, 60 Km S Zagota, 23.IV.1995, leg. Mi. & Ma. Halada; 2♀♀, 5♂♂, 40 km S Guelmim, 13.IV.1995, leg. Ma. Halada; 6♀♀, 1♂, Beni-Bassia, 60 km NE Boudnib, 21.V.1995, leg. Ma. Halada; 3♂♂, 20 km E Agdz, 20.IV.1995, leg. Ma. Halada; 2♂♂, Quaouazagour, 30 km E Agdz, 30°41'N 6°08'W, 14.+15.IV.1996, leg. J. Gusenleitner & Max Schwarz; 1♂, 10 km E Guelmim, 5.V.1995, leg. Ma. Halada.

T u n i s i a : 1♀, Nefta, 8.-9.IV.1998, leg. Deneš.

T u r k m e n i s t a n : 1♀, Sandikatzi env., 3.-13.V.1993, leg. Deneš.

***Pseudoscolia diversicornis* (F. MORAWITZ, 1894) (26♀♀, 6♂♂)**

T u r k m e n i s t a n : 26♀♀, 6♂♂, Sandikatzi env., 3.-13.V.1993, leg. Deneš.

***Pseudoscolia espanoli* (GINER MARÍ, 1947) (2♀♀)**

M o r o c c o : 1♀, 40 km SW Guelmin, 13.IV.1995, leg. Ma. Halada, det. K. Schmidt 1996 and Dollfuss 2017; 1♀, Goulimine 10 km S, 24.III.1986, leg. Max Schwarz, det. Guichard 1993 and Dollfuss 2017.

***Pseudoscolia frontalis* KAZENAS, 1993 (1♂)**

T u r k m e n i s t a n : 1♂, Repetek, 27.IV.1991, leg. Halada.

***Pseudoscolia lyauteyi* (von SCHULTHESS, 1924) (52♀♀, 83♂♂)**

M o r o c c o : 1♀, 1♂, 20 Km N Missouri, 14.V.1995, leg. Ma. Halada; 1♀, Taroudant, 11.V.2003, leg. M. Halada; 3♀♀, 3♂♂, 5 km N Agadir, 18.V.1997, leg. J. Halada; 6♀♀, 9♂♂, 10 km E Guelmin, 5.V.1995, leg. Mi. Halada; 3♀♀, 11♂♂, 10 km E Guelmin, 15.-16.IV.1995, leg. Ma. Halada; 5♀♀, 8♂♂, 20 km N Foum-Zguid, 29.-30.IV.1995, leg. Mi. Halada; 1♀, 1♂, H. Atlas, Oulad-Berrehil, 25.IV.1990, leg. M. Halada; 1♀, 1♂, 80 km NE Agadir, Argana env., 7.V.2003, leg. M. Halada; 2♀♀, Icht, 100 km E Bouzakame, 4.V.1995, leg. Ma. Halada; 2♀♀, 2♂♂, 10 km SE Ait Baga (60 km SE Agadir), 9°05'W 30°02'N, 20.IV.1996, leg. J. Gusenleitner; 1♀, 1♂, 19 km N Agadir, 9°38'W 30°31'N, 21.IV.1996, leg. J. Gusenleitner; 3♀♀, 6♂♂, Quaouzagour, 30 km E Agdz, 6°08'W 30°41'N, 14.+15.IV.1996, leg. J. Gusenleitner; 3♀♀, Imi-n-Kem, 50 km E Agdz, 5°58'W 30°52'N, 15.IV.1996, leg. J. Gusenleitner; 2♀♀, 2♂♂, Qued Issene, 35 km E Agadir, 9°17'W 30°30'N, 19.IV.1996, leg. J. Gusenleitner & Max Schwarz; 1♀, 2♂♂, 10 km S Taroudant, 12.IV.1995, leg. Mi. & Ma. Halada; 1♀, Aoulouz 20 km S, 5.IV.1986, leg. Max Schwarz; 2♀♀, 8♂♂, 10 km SE Ait Baha, 9°05'W 30°02'N, 18.+20.IV.1996, leg. Max Schwarz; 1♀, Tassademt, 50 km NE Agadir, 9°14'W 30°41'N, 19.IV.1996, leg. Max Schwarz; 1♀, Foum Zguid 30 km N, 30.III.1986, leg. Max Schwarz; 7♀♀, 4♂♂, Quaouzagour, 30 km E Agdz, 6°08'W 30°41'N, 14.IV.1996, leg. Max Schwarz; 4♀♀, 1♂, Imin n'Kem, 50 km E Agdz, 5°58'W 30°52'N, 15.IV.1996, leg. Max Schwarz; 2♂♂, 40 km S Guercif, 15.-17.V.1995, leg. Mi. Halada; 4♂♂, 5 km S Tata, 3.V.1995, leg. Mi. Halada; 1♂, 10 km S Bouarfa, 20.V.1995, leg. Ma. Halada; 1♀, 2♂♂, Taroudant, 22.IV.1990, leg. M. Halada; 1♂, 20 km E Agdz, 20.IV.1995, leg. Mi. Halada; 1♂, Anti Atlas, Agdz, 15.V.2003, leg. M. Halada; 1♂, Agadir env., 18.V.1997, leg. Deneš; 1♂, Oulad Teima, 19.IV.1995, leg. Ma. Halada; 1♂, Beni-Bassia, 60 km NE Boudnib, 21.V.1995, leg. Ma. Halada; 2♂♂, Tizi-Taguergoust, 10 km SE Tazenakh, 7°08'W 30°33'N 16.IV.1996, leg. J. Gusenleitner; 6♂♂, 20 km E Agadir, 9°25'W, 30°26'N, 19.IV.1996, leg. J. Gusenleitner & Max Schwarz; 1♂, Tizi-n-Fedrhate, 60 km NE Quarzazate, 6°40'W 31°06'N, 1300m, 11.IV.1996, leg. Max Schwarz.

***Pseudoscolia martinezi* SUÁREZ, 1981 (4♀♀, 7♂♂)**

S - S p a i n : 4♀♀, 7♂♂, 20 km N Almeria, 3.V.2003, leg. M. Halada.

***Pseudoscolia pharaonum* (Kohl, 1898) (3 ♀ ♀)**

E g y p t : 1 ♀, Saqqara, Rég. du Caire, 24.III.1958, leg. et det. Pulawski; 1 ♀, Mariut, 16.III.1930, leg. Priesner.

M o r o c c o : 1 ♀, Tan Tan 90 km SW, 25.III.1986, leg. Max Schwarz.

***Pseudoscolia repetekensis* KAZENAS, 1994 (2 ♀ ♀, 3 ♂ ♂)**

T u r k m e n i s t a n : 1 ♂, Repetek, 27.IV.1991, leg. Halada; 2 ♀ ♀, 2 ♂ ♂, Bayram-Ali 10 km E, 9.V.1993, leg. J. Halada.

***Pseudoscolia simplicicornis* (F. Morawitz, 1889) (537 ♀ ♀, 315 ♂ ♂)**

K a z a k h s t a n : 2 ♀ ♀, Lepsi 6 km SE 18.VI.1992, leg. M. Halada; 1 ♀, sand desert 4 km N Bakanas Lower Ili river valley, 12.VI.2000, leg. Zonstein; 1 ♂, Lepsi 6 km SE, 8.VI.1992, leg. Jirousek; 3 ♂ ♂, Lepsi, 46.4°N 78.8°E, 19.-20.VI.1994, leg. Múčka & J. Halada; 10 ♂ ♂, Matai-desert, 46°N 78.6E, 23.-24.VI.1995, leg. Múčka & J. Halada; 2 ♂ ♂, Almati province, Taugum desert, 386m, 44°58'33"N 75°34'59"E, 8.VI.2016, leg. J. Halada.

M o n g o l i a : 141 ♀ ♀, Övörkhanga, 137 km NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 26.VII.2004, leg. J. Halada & Kadlecova; 119 ♀ ♀, 179 ♂ ♂, Övörkhanga, 137 km NE Arvaykheer, 47°20'N 103°40.5'E, 1250m, 2.VII.2004, leg. J. Halada & Kadlecova; 80 ♀ ♀, 4 ♂ ♂, Gobi, 100 km SW Dalanzadgad, Bayanzag desert, Saxaulua, 1.-2.VII.2003, leg. J. Halada; 14 ♀ ♀, 5 ♂ ♂, Bayankhongor, 130 km S Bayankhongor, 45°03'N 100°59'E, 1240m, 6.VII.2004, leg. J. Halada & Kadlecova; 3 ♀ ♀, 13 ♂ ♂, 90 km NE Tsetserleg, 45°03'N 102°25'E, 1400m, 27.VII.2005, leg. J. Halada; 101 ♀ ♀, 10 ♂ ♂, 75 km W Ulaanbaatar, dunes, 2.VIII.2005, leg. J. Halada; 4 ♀ ♀, 26 ♂ ♂, Övörkhanga, 159 km SW Arvaykheer, 45°11'N 101°26'E, 1250m, 5.VII.2004, leg. J. Halada & Kadlecova; 1 ♀, Gobi, Dalanzadgad env., 24.-26.VI.2003, leg. J. Halada; 3 ♀ ♀, 9 ♂ ♂, 70 km E Altay city Guulin, 14.VII.2005, leg. J. Halada & Tyrner; 41 ♀ ♀, 10 ♂ ♂, Mongol Els n. res., dunes, 47°24'N 103°39'E, 1320m, 31.VII.2005, leg. Kadlecova & J. Halada; 2 ♀ ♀, 24 ♂ ♂, 40 km SW Uliastay, dunes, 18.VII.2005, leg. J. Halada & Kadlecova; 4 ♀ ♀, 210 km SSE Baruun-Urt, step, 29.VII.2007, leg. M. Halada; 11 ♀ ♀, 200 km SSE Baruun-Urt, Moltsoy Els, 1250m, 27.VII.2007, leg. M. & J. Halada; 2 ♀ ♀, 210 km SSE Baruun-Urt, steppe, 29.VII.2007, leg. Tyrner; 4 ♀ ♀, Dornogov reg., 65 km SE Chatan-Bulag, 1020m, 2.VIII.2007, leg. M. Halada & Kadlecova; 1 ♀, 80 km W Ulaanbaatar, dunes, 1230m, 17.VIII.2007, leg. M. Halada; 3 ♀ ♀, 40 km SW Uliastay, dunes, 18.VII.2005, leg. J. Halada.

U z b e k i s t a n : 2 ♂ ♂, Navbakhor, 30 km N Kokand, 41.3°N 70.9'E, 13.V.1994, leg. J. Halada.

***Pseudoscolia soikae* (Mochi, 1939) (1 ♀)**

M o r o c c o : 1 ♀, Beni-Bassia, 60 km NE Boudnib, 21.V.1995, leg. M. Halada.

***Pseudoscolia splendida* (Giner Marí, 1945) (4 ♀ ♀, 18 ♂ ♂)**

I r a n : 1 ♂, 16 km E Bandar Abbas, dunes, 11.IV.1972, leg. Ressler.

M o r o c c o : 3 ♀ ♀, 12 ♂ ♂, 15 km S Assa, 17.-18.IV.1995, leg. Ma. & M. Halada; 1 ♀, 1 ♂, 10 km E Guelmin, 5.V.1995, leg. Ma. Halada; 1 ♂, 5 km S Tata, 3.V.1995, leg. Ma. Halada.

T u r k m e n i s t a n : 3 ♂ ♂, Sandikatzi env., 3.-13.V.1993, leg. M. Halada.

***Pseudoscolia theryi* (Vachal, 1893) (5 ♀ ♀)**

A l g e r i a : 3 ♀ ♀, Biskra, 2.VI.1948, leg. Naef; 1 ♀, Biskra, 1.VI.1948, leg. Naef; 1 ♀, Hodna, 21.V.1950, leg. Roth.

***Pseudoscolia tricolor* (Giner Marí, 1945) (13 ♀ ♀, 11 ♂ ♂)**

M o r o c c o : 7 ♀ ♀, 2 ♂ ♂, Agadir, 2.V.1965, leg. Linsenmaier; 6 ♀ ♀, 8 ♂ ♂, Oued Massa, Tiznit, 8.V.2003, leg. M. Halada; 1 ♂, Agadir, dunes, 12.VI.1947, leg. Naef.

***Pseudoscolia turkmenica* KAZENAS, 1993 (9 ♀ ♀)**

T a j i k i s t a n : 1 ♀, Vose, 120 km SE Duschaube, 12.-13.V.1991, leg. Halada.

T u r k m e n i s t a n : 8 ♀ ♀, Sandikatzi env., 3.-13.V.1993, leg. M. Halada & K. Deneš.

***Pseudoscolia zaisanica* KAZENAS, 1994 (1 ♀)**

K a z a k h s t a n : 1 ♀, Lake, 50 km E Balkhash, 26.-28.VI.1992, leg. Deneš.

The following specimens of *Pseudoscolia* could not be named: Armenia (1 ♀), Iran (2 ♀ ♀, 1 ♂), Jordan (1 ♀), Kyrgyzstan (1 ♂), Mongolia (2 ♀ ♀), Turkey (1 ♂) and Turkmenistan (1 ♀, 3 ♂ ♂).

**Tribe *Odontosphecini* MENKE, 1967****Genus *Odontosphex* ARNOLD, 1951 (5 ♀ ♀, 26 ♂ ♂)*****Odontosphex paradoxus* MENKE, 1967 (5 ♀ ♀, 26 ♂ ♂)**

A r g e n t i n i a : 3 ♀ ♀, 23 ♂ ♂, Salta province, E Coronel Moldes, 25°12'S 65°12'W, 800m, 20.I.2012, leg. M. Halada; 2 ♀ ♀, S Cafayet, ruta 40, 26°23'S 66°01'W, 1800m, 13.I.2012, leg. M. Halada; 3 ♂ ♂, Salta province, S Cachi, ruta 40, 25°40'S 66°06'W, 1900m, 15.I.2012, leg. M. Halada.

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**Zusammenfassung**

Es wurden 4.982 Exemplare der Gattungen *Aphilanthops* (3 ♀ ♀, 3 ♂ ♂), *Clypeadon* (1 ♂), *Odontosphex* (5 ♀ ♀, 26 ♂ ♂), *Philanthinus* (2 ♀ ♀, 22 ♂ ♂), *Philanthus* (1.030 ♀ ♀, 2.502 ♂ ♂), *Pseudoscolia* (790 ♀ ♀, 678 ♂ ♂) and *Trachypus* (42 ♀ ♀, 78 ♂ ♂) untersucht. Alle Informationen über Fundorte, Fangdaten sowie Namen der Sammler sind aufgelistet. Die bisher unbekannten Männchen von *Philanthus flagellarius*, *Philanthus kaszabi* and *Philanthus variolosus* werden beschrieben.

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